



**ATTORNEY-CLIENT WORK PRODUCT
PRIVILEGED AND CONFIDENTIAL**

March 17, 2011

Justin Massey
Miller, Axline & Sawyer
1050 Fulton Avenue, Suite 100
Sacramento, California 95825

Subject: Summary of Soil and Groundwater Sampling Methods Performed in Reference to the former Crucible Materials Site and the Vista Paint Site, Fullerton, California

Dear Mr. Massey:

Environmental Support Technologies (EST) is pleased to submit the following summary of soil and groundwater sampling methods performed in reference to the former Crucible Materials site and the Vista Paint site in Fullerton, California.

Sampling for this project was performed at the following address in Fullerton, California:

- 1850 East Orangethorpe Avenue
- 2020 East Orangethorpe Avenue
- 2230 East Orangethorpe Avenue

This summary includes the following items:

- A description of soil and groundwater sampling methods.
- A description of soil analytical methods.
- A site map that includes a posting of analytical results for soil (**Attachment A**).
- A summary table of analytical results for soil (**Attachment B**).
- Lithological logs for soil borings (**Attachment C**).
- Laboratory analytical reports for soil (**Attachment D**).

1.0 DRILLING AND SOIL SAMPLE COLLECTION METHODS

1.1 CM-GW01, CM-GW02, CM-GW03 and CM-GW04

Drilling for soil and groundwater sampling was performed on January 19, 2011 at location CM-GW01, on January 20, 2011 at location CM-GW04 and on January 21, 2011 at locations CM-GW02 and CM-GW03 using hollow-stem auger drilling equipment supplied and operated by Cascade Drilling, Inc. These borings were advanced to first or "perched" groundwater located



near 80 feet below the ground surface (bgs) in this area. Soil samples were collected at 5-foot vertical intervals in each boring to perched groundwater for logging and chemical analysis purposes. The soil samples were collected during drilling using a 2-inch inside diameter split-barrel sampler loaded with clean brass sample rings. Soil boring logs for CM-GW01 through CM-GW04 are provided in **Attachment C**.

Soil samples intended for volatile organic compound (VOC) chemical analysis were preserved in the field according to US EPA Method 5035 (DTSC November 2004 guidance document, Option 1A and 1B). The sample containers were labeled and logged on a chain-of-custody form and placed in an ice chest for temporary storage and delivery to the Cal EPA Certified Laboratory selected to perform the chemical analyses. Chain-of-custody documents are provided in **Attachment D**.

1.2 CM-GW01A, CM-GW02A, CM-GW03A and CM-GW04A

Drilling for soil and groundwater sampling was performed on February 22 and 23, 2011 at location CM-GW01A, on February 24 and 25, 2011 at location CM-GW04A, and on March 4 and 5, 2011 at locations CM-GW02A and CM-GW03A using sonic drilling equipment supplied and operated by Cascade Drilling, Inc. These borings were advanced to the “shallow aquifer”, the top of which is located between approximately 115 and 125 feet bgs in this area. A continuous soil core was collected for logging purposes from 80 feet to the bottom of the borings using sonic drill pipe. Eight-inch diameter sonic drill pipe was advanced to a depth of approximately 100 feet bgs in each boring. A 6-inch diameter sonic drill pipe was advanced through the 8-inch pipe for soil core collection between 80 and 100 feet bgs in each boring.

Approximately five feet of 1/4-inch mesh-size, 30-minute time-release bentonite pellets were placed in the 8-inch drill pipe from approximately 95 to 100 feet bgs after completion of soil sampling to this depth. This interval coincides with a stiff clay soil layer located between approximately 90 and 100 feet bgs in this area. The 8-inch drill pipe was retraced approximately 5 feet and the pellets were hydrated and allowed to swell for a minimum period of one hour prior to continuation of drilling.

After the hydration period, the 8-inch pipe was re-advanced to 100 feet and the 6-inch diameter sonic drill pipe was advanced through the 8-inch pipe to between approximately 135 and 136 feet bgs in each boring. A 4-inch diameter by 10-foot length sonic coring pipe was advanced through the 6-inch pipe to approximately 135 feet bgs for soil core collection in each boring. Soil boring logs for CM-GW01A through CM-GW04A are provided in **Attachment C**.

2.0 GROUNDWATER SAMPLE COLLECTION METHODS

2.1 CM-GW01, CM-GW02, CM-GW03 and CM-GW04

The hollow-stem auger was advanced in borings CM-GW01 through CM-GW04 from the surface to first encountered groundwater. A summary of the approximate depths groundwater was encountered in these borings and total boring depths bgs is provided below.

<u>Boring</u>	<u>GW Encountered</u>	<u>Total Boring Depth</u>
CM-GW01	80 ft.	85 ft.
CM-GW02	80 ft.	85 ft.
CM-GW03	80 ft.	85 ft.
CM-GW04	80 ft.	85 ft.

Groundwater encountered near 80 feet bgs in borings CM-GW01 through CM-GW04 was considered to be “perched groundwater.” Groundwater samples were collected from these borings by installation of temporary PVC wells. The temporary wells were constructed using 10 feet of new 2-inch diameter PVC well screen with 0.010 inch slots and new 2-inch PVC blank casing from the top of the screen to the surface. Filter socks were placed on the well screens to limit sediment infiltration during sampling. Number 2/12 silica sand packs were installed in the annular spaces of the borings around the screens to further limit sediment infiltration during sampling. The hollow-stem auger was retracted approximately 10 feet after well installation to allow for free-flow of groundwater into the screens.

The screen intervals depths and depth to groundwater measured in the temporary wells are provided below. The depth to groundwater measured in temporary wells prior to sampling appeared to be near the expected static levels.

<u>Boring</u>	<u>Screen Interval</u>	<u>Depth to Groundwater</u>
CM-GW01	75-85 ft.	80 ft.
CM-GW02	75-85 ft.	75 ft.
CM-GW03	75-85 ft.	76 ft.
CM-GW04	75-85 ft.	72 ft.

Approximately 8-gallons of groundwater were purged from temporary wells CM-GW02 and CM-GW03 using a clean PVC bailer and new nylon line before groundwater sample collection. Approximately 4-gallons and 10-gallons of groundwater were purged from wells CM-GW01 and CM-GW04 before sampling, respectively. Equipment blank samples were provided to OCWD personnel for each well sampled by pouring deionized water provide by OCWD through the PVC bailer after a decontamination event. Groundwater samples were collected using new disposable bailers and nylon line and supplied to OCWD personnel. After completion of groundwater sampling, the well casings were removed and the hollow-stem auger was re-advanced to the bottom of the borings to remove the sand packs. The borings were then sealed with hydrated bentonite grout applied by Tremie pipe method as the auger was retracted from the



bottom of the borings to approximately 4 feet bgs. Approximately two feet of dry bentonite chips were placed on top of the grout seals and the surface was repaved with approximately two feet of rapid-set concrete at each boring location.

2.2 CM- GW01A, CM-GW02A, CM-GW03A and CM-GW04A

The sonic drill pipe was advanced in borings CM-GW01A through CM-GW04A to total depths of between approximately 135 and 136 feet bgs. Groundwater samples were collected from these borings by installation of temporary PVC wells. The temporary wells were constructed using 10 feet of new 2-inch diameter PVC well screen with 0.010 inch slots and new 2-inch PVC blank casing from the top of the screen to the surface. Filter socks were placed on the well screens to limit sediment infiltration during sampling. The screen interval depths and depths to groundwater measured in temporary wells CM-GW01A through CM-GW04A are provided below. The depths to groundwater measured in the temporary wells prior to sampling may not be representative of static levels.

<u>Boring</u>	<u>Screen Interval</u>	<u>Depth to Groundwater</u>
CM-GW01A	124 to 134 ft.	118 ft.
CM-GW02A	121 to 131 ft.	116 ft.
CM-GW03A	123 to 133 ft.	122 ft.
CM-GW04A	123 to 133 ft.	122 ft.

Approximately 6-gallons of groundwater were bailed from temporary wells CM-GW01A through CM-GW04A using a clean PVC bailer and new nylon line before groundwater sample collection. Equipment blank samples were provided to OCWD personnel for each well sampled by pouring deionized water provided by OCWD through the PVC bailer after a decontamination event. Groundwater samples were collected using a new disposable bailer and nylon line and supplied to OCWD personnel. After completion of groundwater sampling, the well casings were removed and the borings were sealed with hydrated bentonite grout applied by Tremie pipe method as the sonic pipe was retracted from the bottom of the borings to approximately 4 feet bgs. Approximately two feet of dry bentonite chips were placed on top of the grout seals and the surface was repaved with approximately two feet of rapid-set concrete at each boring location.

3.0 SOIL CHEMICAL ANALYSIS METHODS AND RESULTS

A summary of soil sample collection locations, depths and analytical results is provided as **Table 1 (Attachment B)**. Soil samples were analyzed for VOCs by Environmental Support Technologies using EPA Method 8260B (ELAP #2511). The laboratory analytical reports are provided in **Attachment C**. Concentrations of PCE, TCE, 1,1-DCE detected in soil are posted on **Figure 1 (Attachment A)**.

4.0 EQUIPMENT DECONTAMINATION

The decontamination procedures focused primarily on equipment used to collect soil and water samples (bailers, etc.). The sampling equipment was decontaminated prior to use and between sampling events. The decontamination procedure consisted of a three-bucket chain, which includes a non-phosphate detergent station, final potable water rinse station and air-drying station. Equipment blank samples were collected after decontamination events at a rate of one per day of sampling. A high-pressure steam cleaner was utilized to decontaminate larger equipment (hollow-stem auger and sonic drill pipe).

5.0 INVESTIGATION-DERIVED WASTES

Investigation derived waste (IDW) generated during this project included soil cuttings, equipment decontamination water and groundwater from temporary well sampling. Soil IDW was placed in a roll-off bin equipped with a locking cover and 55-gallon drums. Water IDW was placed in steel 55-gallon drums. The IDW was transported for legal off-site disposal or recycling as non-hazardous waste by Belshire Environmental Services. Waste manifests and disposal documentation will be submitted to Miller, Axline & Sawyer upon availability.

Please contact the undersigned at (949) 679-9500 if you have any questions or comments.

Sincerely,

Environmental Support Technologies



Michael Mareello, PG, CHG, REA I
Project Manager/Senior Hydrogeologist



Attachments: Attachment A – Site Map
 Attachment B - Table 1
 Attachment C – Boring Logs
 Attachment D – Laboratory Analytical Reports for Soil

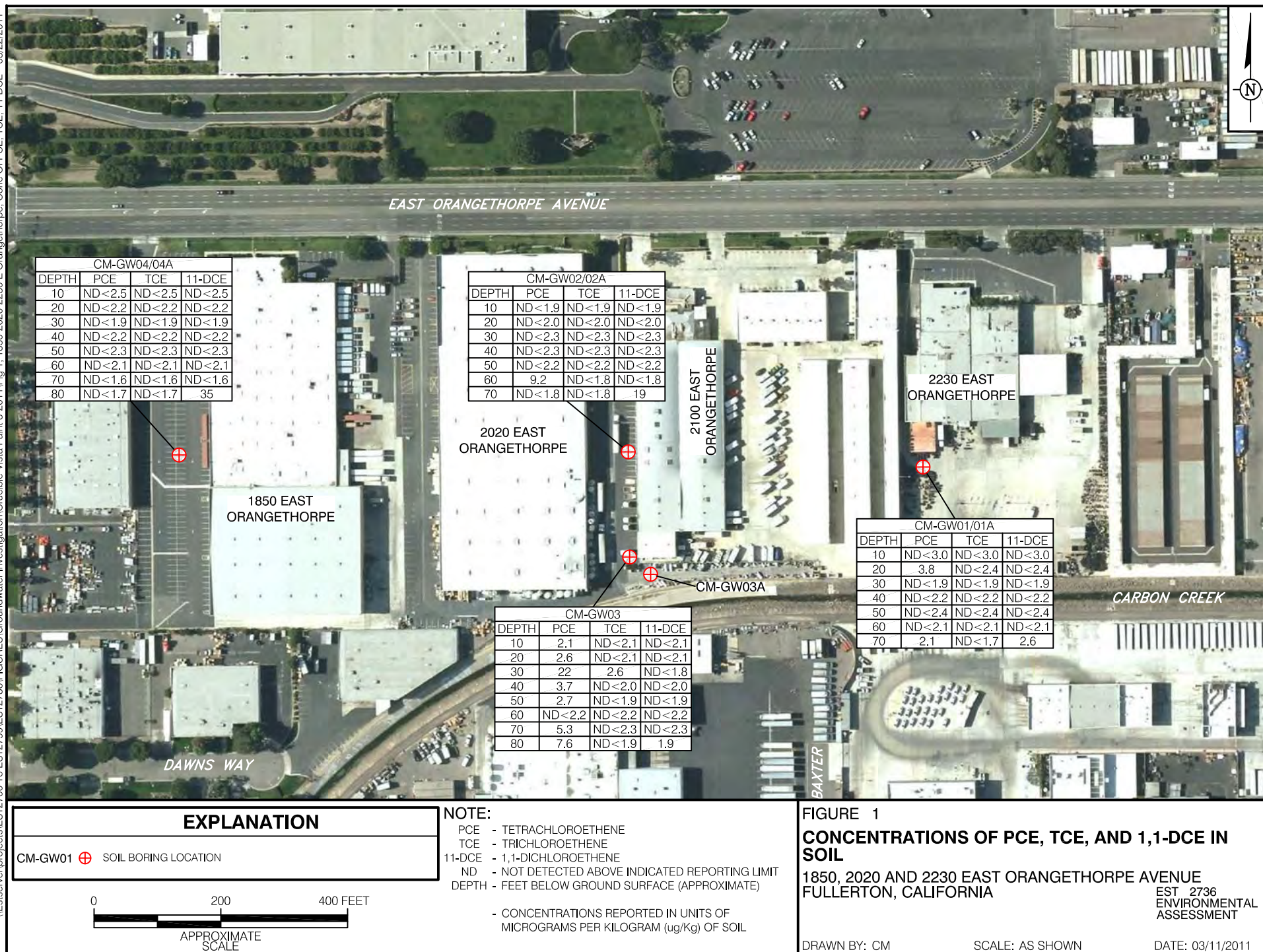
cc: David Mark/OCWD
 EST Project File 2736

ATTACHMENT A

SITE MAP



\\Estserver\projects\EST2700 To EST2799\FIGURES\Groundwater Investigation\Crucible-Vista Paint 3-2011\Fig 1 - 1850-2020-2230 E Orangethorpe, Conc Of PCE, TCE, 11-DCE - 03/22/2011



ATTACHMENT B

SUMMARY TABLE OF SOILS ANALYSES



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TABLE 1

**Summary of Laboratory Analytical Data for
Volatile Organic Compounds in Soil
1850, 2020 and 2230 East Orangethorpe Avenue, Fullerton, California**

01/28/11

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Location Address	Sample Number	Date (mm/dd/yy)	Depth ft. bgs	PCE (µg/Kg)	TCE (µg/Kg)	Cis-12-DCE (µg/Kg)	111-TCA (µg/Kg)	11-DCE (µg/Kg)	11-DCA (µg/Kg)	112-TCA (µg/Kg)	CDS (µg/Kg)
Pete's Road Service 2230 E. Orangethorpe Ave. Fullerton, California	CM-GW01-10	01/19/11	10	ND<3.0	ND<3.0	ND<3.0	ND<3.0	ND<3.0	ND<3.0	ND<3.0	ND<3.0
	CM-GW01-20	01/19/11	20	3.8	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4	8.0
	CM-GW01-30	01/19/11	30	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9
	CM-GW01-40	01/19/11	40	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2
	CM-GW01-50	01/19/11	50	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4
	CM-GW01-60	01/19/11	60	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1
	CM-GW01-70	01/19/11	70	2.1	ND<1.7	ND<1.7	ND<1.7	2.6	ND<1.7	ND<1.7	ND<1.7
Vista Paint 2020 E. Orangethorpe Ave. Fullerton, California	CM-GW02-10	01/21/11	10	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	2.1
	CM-GW02-20	01/21/11	20	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
	CM-GW02-30	01/21/11	30	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3
	CM-GW02-40	01/21/11	40	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3
	CM-GW02-50	01/21/11	50	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2
	CM-GW02-60	01/21/11	60	9.2	ND<1.8	1.8	2.0	ND<1.8	ND<1.8	ND<1.8	ND<1.8
	CM-GW02-70	01/21/11	70	ND<1.8	ND<1.8	ND<1.8	ND<1.8	19	4.9	1.8	ND<1.8
Vista Paint 2020 E. Orangethorpe Ave. Fullerton, California	CM-GW03-10	01/21/11	10	2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1
	CM-GW03-20	01/21/11	20	2.6	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1
	CM-GW03-30	01/21/11	30	22	2.6	ND<1.8	4.5	ND<1.8	ND<1.8	ND<1.8	ND<1.8
	CM-GW03-40	01/21/11	40	3.7	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
	CM-GW03-50	01/21/11	50	2.7	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9
	CM-GW03-60	01/21/11	60	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2
	CM-GW03-70	01/21/11	70	5.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3
	CM-GW03-80	01/21/11	80	7.6	ND<1.9	ND<1.9	ND<1.9	1.9	ND<1.9	ND<1.9	ND<1.9
Liquidation Services 1850 E. Orangethorpe Ave. Fullerton, California	CM-GW04-10	01/20/11	10	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
	CM-GW04-20	01/20/11	20	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2
	CM-GW04-30	01/20/11	30	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9
	CM-GW04-40	01/20/11	40	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2
	CM-GW04-50	01/20/11	50	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3
	CM-GW04-60	01/20/11	60	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1
	CM-GW04-70	01/20/11	70	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	5.5
	CM-GW04-80	01/20/11	80	ND<1.7	ND<1.7	4.2	ND<1.7	35	2.3	ND<1.7	ND<1.7

Explanation

ft. bgs = feet below ground surface (approximate)

PCE = tetrachloroethene

TCE = trichloroethene

cis-12-DCE = cis-1,2-dichloroethene

111-TCA = 1,1,1-trichloroethane

11-DCE = 1,1-dichloroethene

11-DCA = 1,1-dichloroethane

112-TCA = 1,1,2-trichloroethane

CDS = carbon disulfide

µg/Kg = micrograms per kilogram of soil

ND = not detected above reporting limit

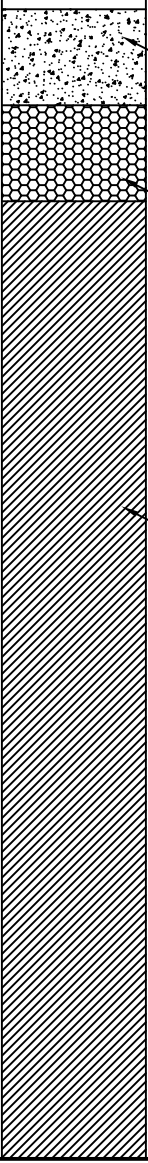



Note: EPA 8260B VOCs not listed were not detected

ATTACHMENT C

SOIL BORING LOGS



\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW01 - 01-19-2011 - 02/09/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW01		
Project Name: MAS/OCWD				Project Location: 2020 East Orangethorpe Avenue, Fullerton, California				Project No. 2736				
Driller: Cascade				Type of Rig: CME-75		Type/Size of Auger: 8.25 In OD HS						
Logged By: A. Flores				Date Drilled: 01/19/2011		Checked By: M. Mareello, PG, CHG		1 of 4				
WATER AND WELL DATA						Total Depth of Well Completed: Temporary Well ≈80 Feet						
Depth of Water First Encountered: ≈80 Feet						Screen Type, Dia., Interval: Sch 40 PVC, 2 in. 75-85 Feet						
Static Depth of Water in Well: ≈80 Feet						Slot Size and Filter Pack: 0.020 in., #3 Sand						
Total Depth of Boring: 85 Feet						Type/Size of Soil Sampler: 2 in. ID Split Barrel						
SOIL/ROCK SAMPLE DATA						DESCRIPTION OF LITHOLOGY						
Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation				WELL/BORING GRAPHIC	Description
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
0						0	Asphalt Surface ≈8 In.					Concrete Bentonite Chip Seal Bentonite Grout to 85 Feet
							Pothole to 6 feet					
							Begin logging at 10 feet					
10	14 19 24		08:45	2.5		10	Sand (SW), trace gravel, medium to coarse grained, light brown, moist					
15	16 19 21		08:53	4.2		15	Sand (SW), some gravel, medium to coarse grained, brown, slightly moist					
20	14 22 20		08:57	2.0		20	Sand (SW), some gravel, medium to coarse grained, brown, dry					

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\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW01 - 01-19-2011 - 02/09/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG							Boring No. CM-GW01					
Project Name: MAS/OCWD				Project Location: 2020 East Orangethorpe Avenue, Fullerton, California				Project No. 2736				
Driller: Cascade				Type of Rig: CME-75		Type/Size of Auger: 8.25 In OD HS						
Logged By: A. Flores				Date Drilled: 01/19/2011		Checked By: M. Marello, PG, CHG		2 of 4				
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
25		13 17 21	09:01	2.8		25	Sand (SM), some silt, fine to medium grained, brown, slightly moist					Bentonite Grout to 85 Feet
30		30 25 25	09:09	4.3		30	Sand (SW), trace silt, medium grained, light brown, slightly moist					
35		19 22 23	09:16	2.2		35	Sand (SW), trace gravel, medium grained, light brown, slightly moist					
40		11 18 17	09:19	2.6		40	Sand (SP), some silt, fine grained, light brown, slightly moist					
45		10 14 18	09:22	2.5		45	Sand (SW), medium grained, light brown, slightly moist					
50		11 15 17	09:27	1.7		50	Sand (SW), medium grained, light brown, slightly moist					
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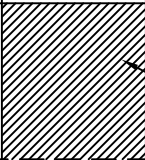
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\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW01 - 01-19-2011 - 02/09/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG							Boring No. CM-GW01					
Project Name: MAS/OCWD				Project Location: 2020 East Orangethorpe Avenue, Fullerton, California				Project No. 2736				
Driller: Cascade				Type of Rig: CME-75		Type/Size of Auger: 8.25 In OD HS						
Logged By: A. Flores				Date Drilled: 01/19/2011		Checked By: M. Marello, PG, CHG		3 of 4				
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
55		14 17 17	09:39	3.9		55	Sand (SW), trace gravel, medium to coarse grained, brown, slightly moist					Bentonite Grout to 85 Feet
60		17 15 22	09:43	5.0		60	Sand (SP), trace silt, fine grained, brown, slightly moist					
65		14 16 28	09:48	3.8		65	Sand (SP), trace silt, fine grained, brown, slightly moist					
70		12 14 16	09:58	2.1		70	Silt with clay (ML-CL), fine grained, olive-brown, moist					
75		13 14 16	10:10	6.0		75	Silt with clay (ML-CL), some sand, fine grained, olive-brown, moist					
80		11 12 14	10:20	3.5		80	Clay, some silt (CL), olive-brown, wet					
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\\Estserve\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW01 - 01/24/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW01		
Project Name: MAS/OCWD					Project Location: 2020 East Orangethorpe Avenue, Fullerton, California					Project No. 2736		
Driller: Cascade					Type of Rig: CME-75			Type/Size of Auger: 8.25 In OD HS				
Logged By: A. Flores					Date Drilled: 01/19/2011			Checked By: M. Marelo, PG, CHG		4 of 4		
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
85						85	EOH 85 Feet -					Bentonite Grout to 85 Feet
90						90						
95						95						
100						100						
105						105						

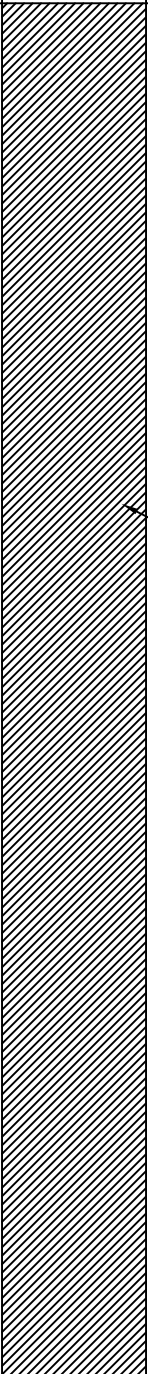
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\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW02 - 01/24/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW02		
Project Name: MAS/OCWD				Project Location: 2020 East Orangethorpe Avenue, Fullerton, California				Project No. 2736				
Driller: Cascade				Type of Rig: CME-75		Type/Size of Auger: 8.25 In OD HS						
Logged By: A. Flores				Date Drilled: 01/21/2011		Checked By: M. Marelo, PG, CHG		1 of 4				
WATER AND WELL DATA						Total Depth of Well Completed: Temporary Well ≈85 Feet						
Depth of Water First Encountered: ≈80 Feet						Screen Type, Dia., Interval: Sch 40 PVC, 2 in. 75-85 Feet						
Static Depth of Water in Well: ≈75 Feet						Slot Size and Filter Pack: 0.020 in., #3 Sand						
Total Depth of Boring: 85 Feet						Type/Size of Soil Sampler: 2 in. ID Split Barrel						
SOIL/ROCK SAMPLE DATA						DESCRIPTION OF LITHOLOGY						
Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation			WELL/BORING GRAPHIC	Description	
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
0						0	Asphalt Surface ≈6 In.					
							Pothole to 6 feet					
10	8 9 12		07:45	0.7		10	Begin logging at 10 feet					
							Sand (SW) and trace gravel, medium grained, light brown, dry					
15	7 9 12		07:48	0.8		15	Sand (SP), fine to medium grained, light brown, dry					
20	20 9 10		07:52	0.9		20	Sand (SW), trace gravel, medium to coarse grained, brown, dry					

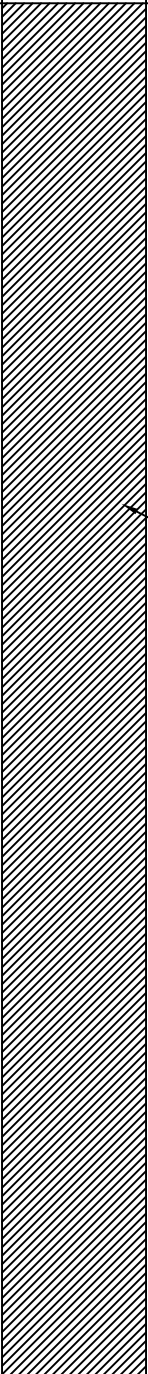
Environmental Support Technologies

\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW02 - 01/24/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW02		
Project Name: MAS/OCWD					Project Location: 2020 East Orangethorpe Avenue, Fullerton, California					Project No. 2736		
Driller: Cascade					Type of Rig: CME-75			Type/Size of Auger: 8.25 In OD HS				
Logged By: A. Flores					Date Drilled: 01/21/2011			Checked By: M. Marelo, PG, CHG		2 of 4		
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
25		7 10 13	08:14	8.4		25	Sand (SP), trace silt, fine grained, light brown, slightly moist					Bentonite Grout to 85 Feet
30		8 8 12	08:16	0.8		30	Sand (SW), trace gravel, fine to medium grained, light brown, slightly moist					
35		7 10 14	08:21	3.4		35	Sand (SP), trace silt, fine grained, light brown, slightly moist					
40		7 12 15	08:23	2.0		40	Sand (SW), some silt, fine to medium grained, brown, slightly moist					
45		8 12 13	08:27	6.4		45	Sand (SW), some silt, fine grained, light brown, slightly moist					
50		6 9 11	08:30	4.1		50	Sand (SP), fine grained, light brown, slightly moist					

Environmental Support Technologies

\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW02 - 01/24/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG							Boring No. CM-GW02					
Project Name: MAS/OCWD				Project Location: 2020 East Orangethorpe Avenue, Fullerton, California				Project No. 2736				
Driller: Cascade				Type of Rig: CME-75		Type/Size of Auger: 8.25 In OD HS						
Logged By: A. Flores				Date Drilled: 01/21/2011		Checked By: M. Marelo, PG, CHG		3 of 4				
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
55		7 11 15	08:35	14.2		55	Sand (SW), fine to medium grain, light brown, slightly moist					Bentonite Grout to 85 Feet
60		7 7 16	08:40	1.9		60	Silt (ML), some clay, trace sand, fine grained, brown, slightly moist					
65		5 8 14	08:46	1.6		65	Sand (SP), trace silt, fine grained, light brown, slightly moist					
70		9 10 18	08:54	2.2		70	Silt (ML), some clay, trace sand, fine grained, olive-brown, moist					
75		14 18 21	08:58	1.64		75	Sand (SP), trace silt, fine grained, brown, moist					
80		10 14 16	09:08	2.4		80	Sand (SW), trace gravel, fine to medium grained, brown, moist					

Environmental Support Technologies

\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW02 - 01/24/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW02		
Project Name: MAS/OCWD					Project Location: 2020 East Orangethorpe Avenue, Fullerton, California					Project No. 2736		
Driller: Cascade					Type of Rig: CME-75			Type/Size of Auger: 8.25 In OD HS				
Logged By: A. Flores					Date Drilled: 01/21/2011			Checked By: M. Marelo, PG, CHG		4 of 4		
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
85		11 11 16	09:15	28.6		85	Silt (ML), some sand, trace clay, fine grained, brown, wet					Bentonite Grout to 85 Feet
							EOH 85 Feet -					

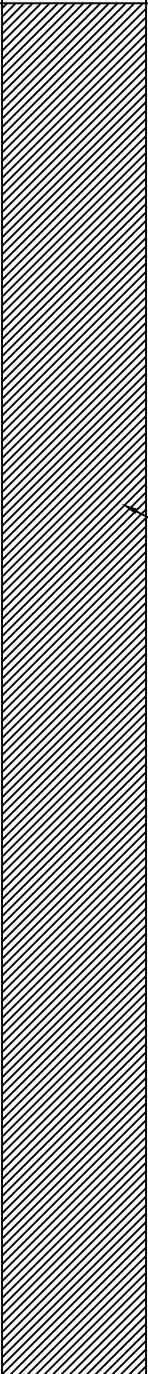
Environmental Support Technologies

\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW03 - 01/24/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW03	
Project Name: MAS/OCWD				Project Location: 2020 East Orangethorpe Avenue, Fullerton, California				Project No. 2736			
Driller: Cascade				Type of Rig: CME-75		Type/Size of Auger: 8.25 In OD HS					
Logged By: M. Marelo, PG, CHG				Date Drilled: 01/21/2011		Checked By:		1 of 4			
WATER AND WELL DATA						Total Depth of Well Completed: Temporary Well ≈85 Feet					
Depth of Water First Encountered: ≈80 Feet						Screen Type, Dia., Interval: Sch 40 PVC, 2 in. 75-85 Feet					
Static Depth of Water in Well: ≈76 Feet						Slot Size and Filter Pack: 0.020 in., #3 Sand					
Total Depth of Boring: 85 Feet						Type/Size of Soil Sampler: 2 in. ID Split Barrel					
SOIL/ROCK SAMPLE DATA						DESCRIPTION OF LITHOLOGY					
Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation		WELL/BORING GRAPHIC	Description	
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)	
0						0	Asphalt Surface ≈6 In.				
							Pothole to 6 feet				
10		11 18 22	08:16	1.9		10	Begin logging at 10 feet				
							Well graded sand, some silt (SW-SM), light brown, slightly moist				
15		14 15 21	08:22	1.0		15	Fine to medium sand (SP-SW), light grayish-brown, slightly moist				
20		15 18 20	08:27	1.5		20	Fine to medium sand (SP-SW), light grayish-brown, slightly moist				

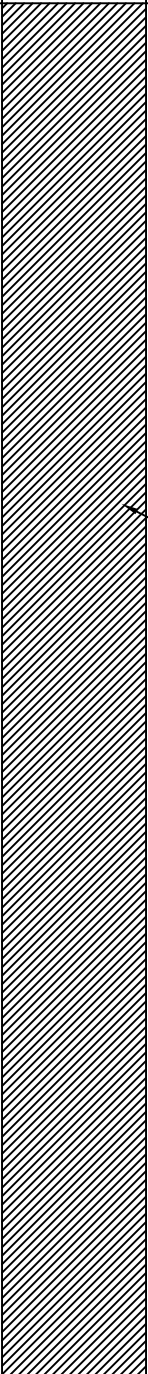
Environmental Support Technologies

\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW03 - 01/24/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW03		
Project Name: MAS/OCWD					Project Location: 2020 East Orangethorpe Avenue, Fullerton, California					Project No. 2736		
Driller: Cascade					Type of Rig: CME-75			Type/Size of Auger: 8.25 In OD HS				
Logged By: M. Marelo, PG, CHG					Date Drilled: 01/21/2011			Checked By:		2 of 4		
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
25		12 15 17	08:30	0.9		25	Well graded sand (SW), light brown, slightly moist					Bentonite Grout to 85 Feet
30		14 16 18	08:36	2.2		30	Well graded sand, trace gravel (SW), light-brown, slightly moist					
35		14 16 20	08:41	1.4		35	Fine to medium sand (SP-SM), light brown, slightly moist					
40		14 18 22	08:50	1.7		40	Fine to medium sand (SP-SM), light brown, slightly moist					
45		17 17 25	08:53	1.8		45	Fine sand, trace silt (SP), light grayish-brown, slightly moist					
50		16 24 27	08:57	1.8		50	Well graded sand, trace silt (SW), light brown, slightly moist					

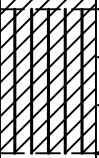
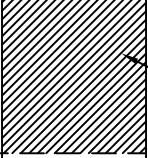
Environmental Support Technologies

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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW03		
Project Name: MAS/OCWD					Project Location: 2020 East Orangethorpe Avenue, Fullerton, California					Project No. 2736		
Driller: Cascade					Type of Rig: CME-75			Type/Size of Auger: 8.25 In OD HS				
Logged By: M. Marelo, PG, CHG					Date Drilled: 01/21/2011			Checked By:		3 of 4		
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
55		18 23 27	09:02	0.4		55	Well graded sand, some silt (SW-SM), grayish-brown, moist					Bentonite Grout to 85 Feet
60		12 19 16	09:09	1.9		60	Well graded sand (SW), light brown, slightly moist					
65		14 17 22	09:15	1.2		65	Fine sand with silt (SM), grayish-brown, slightly moist					
70		16 18 25	09:20	900		70	Very fine sand to coarse silt (SP-ML), light brown, slightly moist to dry					
75		10 12 20	09:36	980		75	Well graded sand, some silt (SW-SM), moist					
80		17 18 20	09:30	8,500		80	Clay, some silt (CL), olive-gray, very moist					

Environmental Support Technologies

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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW03		
Project Name: MAS/OCWD					Project Location: 2020 East Orangethorpe Avenue, Fullerton, California					Project No. 2736		
Driller: Cascade					Type of Rig: CME-75			Type/Size of Auger: 8.25 In OD HS				
Logged By: M. Mareello, PG, CHG					Date Drilled: 01/21/2011			Checked By:		4 of 4		
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
85						85	Silt and clay, trace sand (ML-CL), olive-brown, very moist					Bentonite Grout to 85 Feet
						----- EOH 85 Feet -----						
90						90						
95						95						
100						100						
105						105						



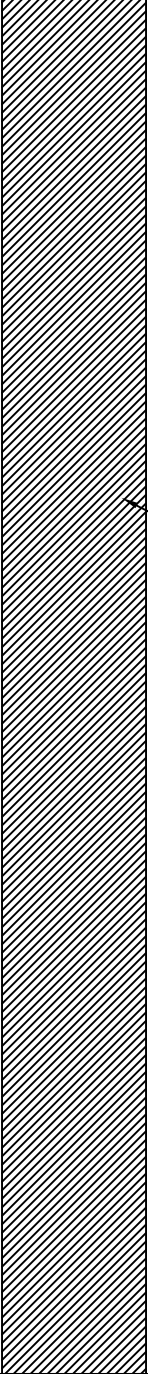










Environmental Support Technologies

\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW04 - 01-20-2011 - 02/09/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW04		
Project Name: MAS/OCWD				Project Location: 2020 East Orangethorpe Avenue, Fullerton, California				Project No. 2736				
Driller: Cascade				Type of Rig: CME-75		Type/Size of Auger: 8.25 In OD HS						
Logged By: A. Flores				Date Drilled: 01/20/2011		Checked By: M. Marelo, PG, CHG		1 of 4				
WATER AND WELL DATA						Total Depth of Well Completed: Temporary Well ≈85 Feet						
Depth of Water First Encountered: ≈80 Feet						Screen Type, Dia., Interval: Sch 40 PVC, 2 in. 75-85 Feet						
Static Depth of Water in Well: ≈72 Feet						Slot Size and Filter Pack: 0.020 in., #3 Sand						
Total Depth of Boring: 85 Feet						Type/Size of Soil Sampler: 2 in. ID Split Barrel						
SOIL/ROCK SAMPLE DATA						DESCRIPTION OF LITHOLOGY						
Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation			WELL/BORING GRAPHIC	Description	
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
0						0	Asphalt Surface ≈6 In.					
							Pothole to 6 feet					
10		7 14 55	08:15	1.0		10	Begin logging at 10 feet					
							Sand (SP), fine grained, light brown, moist					
15		12 15 17	08:20	1.2		15	Sand (SW), some gravel, light brown, slightly moist					
20		9 12 17	08:27	4.5		20	Sand (SW), trace gravel, medium to coarse grained, light brown, slightly moist					

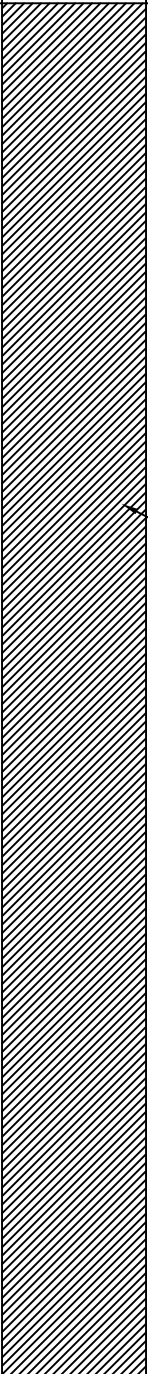
Environmental Support Technologies

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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW04		
Project Name: MAS/OCWD					Project Location: 2020 East Orangethorpe Avenue, Fullerton, California					Project No. 2736		
Driller: Cascade					Type of Rig: CME-75			Type/Size of Auger: 8.25 In OD HS				
Logged By: A. Flores					Date Drilled: 01/21/2011			Checked By: M. Mareello, PG, CHG		2 of 4		
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
25		12 15 20	08:30	4.0		25	Sand (SW), fine to medium grained, light brown, moist					Bentonite Grout to 85 Feet
30		13 15 20	08:37	2.3		30	Sand (SP), some silt, fine grained, brown, slightly moist					
35		14 21 24	08:42	5.9		35	Sand (SW), medium grained, light brown, slightly moist					
40		16 18 20	08:47	4.5		40	Sand (SP), fine to medium grained, light brown, slightly moist					
45		15 17 18	08:58	3.7		45	Sand (SP), trace silt, fine grained, light brown, slightly moist					
50		12 16 19	09:04	5.1		50	Sand (SP), some silt, fine grained, light brown, slightly moist					

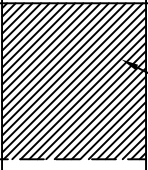
Environmental Support Technologies

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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW04		
Project Name: MAS/OCWD					Project Location: 2020 East Orangethorpe Avenue, Fullerton, California					Project No. 2736		
Driller: Cascade					Type of Rig: CME-75			Type/Size of Auger: 8.25 In OD HS				
Logged By: A. Flores					Date Drilled: 01/21/2011			Checked By: M. Marelo, PG, CHG		3 of 4		
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
55	18 20 20	09:08	2.4		55	Sand (SP), trace silt, fine grained, light brown, slightly moist						
60	12 16 18	09:13	4.4		60	Sand (SW), trace gravel, medium grained, light brown, slightly moist						
65	20 20 25	09:17	4.2		65	Sand (SW), some gravel, medium to coarse grained, light brown, very moist						
70	16 18 20	09:23	2.1		70	Sand (SW) with trace gravel, fine to medium grained, moist						
75	9 10 14	09:32	0.6		75	Sand (SW) some silt, fine to medium grained, slightly moist						
80	7 9 10	09:45	1.5		80	Clay with silt (CL-ML), fined grained, olive-brown, very moist						


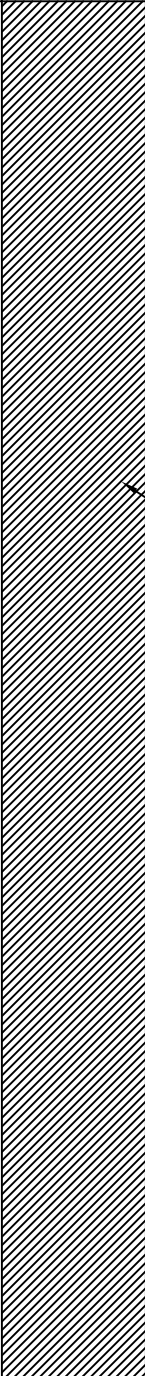
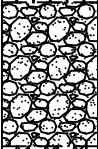



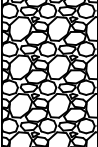
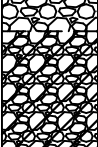




Environmental Support Technologies

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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW04		
Project Name: MAS/OCWD					Project Location: 2020 East Orangethorpe Avenue, Fullerton, California					Project No. 2736		
Driller: Cascade					Type of Rig: CME-75			Type/Size of Auger: 8.25 In OD HS				
Logged By: A. Flores					Date Drilled: 01/21/2011			Checked By: M. Marelo, PG, CHG		4 of 4		
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
85						85	Water saturated at 85 feet, no soil sample					Bentonite Grout to 85 Feet
							EOH 85 Feet -					
90						90						
95						95						
100						100						
105						105						

Environmental Support Technologies

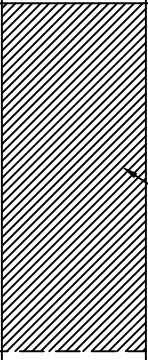
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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG							Boring No. CM-GW01A					
Project Name: MAS/OCWD				Project Location: 2230 E Orangethorpe Avenue, Fullerton, California				Project No. 2736				
Driller: Cascade				Type of Rig: Sonic		Type/Size of Auger: Sonic Pipe 8", 6", 4"						
Logged By: M. Marelo, PG, CHG				Date Drilled: 02/22/2011 - 02/23/2011		Checked By:		2 of 3				
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
100				0.5		100	99.0 - 100 Ft: Silt with clay, trace fine sand (ML), olive-brown, moist, soft					Bentonite Grout Seal
			0.8			100 - 103 Ft: Well graded sand and gravel (SW-GW), gray, slightly moist to moist, gravel to 3-inch diameter, semi-rounded to well rounded						
						103 - 105 Ft: Well graded sand and gravel with clay, some silt (SC,GC), gray, dry, very dense. Slight sweet solvent-like odor.						
105						105	105 - 106 Ft: Well graded sand and gravel with clay, some silt (SC,GC), gray, dry, very dense. Slight sweet solvent-like odor.					
			20			106 - 107 Ft: Clay, trace sand (CL), brown, moist, very stiff						
						107 - 110 Ft: Gravel with sand and clay, some silt (GC-GW), light gray, dry, dense						
110					110	110 - 111 Ft: Clay, some gravel and sand (CL-GC), olive-gray, moist, medium stiff						
						111 - 115 Ft: Gravel with silt and sand (GW-GM), gray, dry, dense						
115					115	115 - 118 Ft: Gravel with clay, some sand and silt (GC), gray, dry, dense						
						NOTE:Driller: ≈6" water in boring at 118 Feet						
						118 - 120 Ft: Gravel and sand, some silt (GW-SW), brownish gray, slightly moist						
120					120	120 - 124.5 FT: Well graded sand, some silt and clay, some gravel (SW-SM), olive-gray, very moist to wet						
						124.5 - 125 Ft: Silt, some sand (ML), olive-brown, moist						
125					125	125 - 130 Ft: Well Graded sand, some gravel, trace to some silt (SW), olive-brown, wet						

Environmental Support Technologies

Environmental Support Technologies

\\Estserver\projects\EST2700 To EST2799\Groundwater Investigation\Crucible-Vista Paint 3-2011\Boring Log CM-GW01A - 02-22-2011 - 03/03/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW01A		
Project Name: MAS/OCWD					Project Location: 2230 E Orangethorpe Avenue, Fullerton, California					Project No. 2736		
Driller: Cascade					Type of Rig: Sonic			Type/Size of Auger: Sonic Pipe 8", 6", 4"				
Logged By: M. Marello, PG, CHG					Date Drilled: 02/22/2011 - 02/23/2011			Checked By:		3 of 3		
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
130						130	125 - 130 Ft: Well Graded sand, some gravel, trace to some silt (SW), olive-brown, wet					Bentonite Grout Seal
135					135	130 - 135 Ft: Well Graded sand, some gravel, trace to some silt (SW), olive-brown, wet						
							EOH 135 Feet					

Environmental Support Technologies

\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Crucible-Vista Paint 3-2011\Boring Log CM-GW02A - 03/21/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG							Boring No. CM-GW02A				
Project Name: MAS/OCWD			Project Location: 2020 East Orangethorpe Avenue, Fullerton, California				Project No. 2736				
Driller: Cascade			Type of Rig: Sonic		Type/Size of Auger: Sonic Pipe 8", 6"						
Logged By: A. Flores			Date Drilled: 03/04/2011		Checked By: M. Marelo, PG, CHG		1 of 3				
WATER AND WELL DATA					Total Depth of Well Completed: Temporary Well						
Depth of Water First Encountered: ≈110' BGS					Screen Type, Dia., Interval: Sch 40 PVC, 2 in. 121'- 131'						
Static Depth of Water in Well: ≈116' BGS					Slot Size and Filter Pack: 0.02", fitter sock						
Total Depth of Boring: ≈136'					Type/Size of Soil Sampler: 4" core barrel x 10'						
SOIL/ROCK SAMPLE DATA						DESCRIPTION OF LITHOLOGY					
Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation		WELL/BORING GRAPHIC	Description	
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)	
0						0	Pothole to 6 feet				
							Begin logging at 80 feet				
80						80	80-81 Ft: Clay, some sand, trace silt, brown, moist, high plasticity (CH)				
				2.9			81-88 Ft: Clay, trace sand, brown, moist, high plasticity (CH)				
85			09:37	1.9		85					
							88-90 Ft: Well graded sand, some gravel, brown, moist (SW)				
90				1.2		90	90-91 Ft: Sand, fine to medium grained, brown, moist (SM)				
				1.0			91-92 Ft: Silt with clay, trace sand, brown, slightly moist (ML)				
			10:01				92-95 Ft: Clay, some silt, high plasticity, reddish brown, slightly moist (CH)				
				3.2							
95				2.6		95	95-96 Ft: Clay, trace sand, high plasticity, olive brown, slightly moist (CH)				
			10:15				96-98 Ft: Clay with sand, some gravel, low plasticity, slightly moist (CL)				
				2.7							

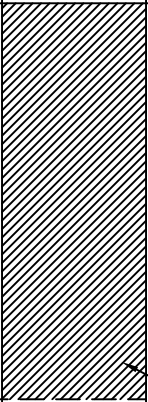
Environmental Support Technologies

\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Crucible-Vista Paint 3-2011\Boring Log CM-GW02A - 03-04-2011 - 03/21/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW02A		
Project Name: MAS/OCWD					Project Location: 2020 East Orangethorpe Avenue, Fullerton, California					Project No. 2736		
Driller: Cascade					Type of Rig: Sonic			Type/Size of Auger: Sonic Pipe 8", 6"				
Logged By: A. Flores					Date Drilled: 03/04/2011			Checked By: M. Marelo, PG, CHG		2 of 3		
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
100			12:09	0.7		100	98-99 Ft: Sand, fine grained, some gravel, brown, slightly moist (SM) 99-100 Ft: Well graded sand with gravel, grayish brown, dry (SW) 100-104 Ft: Well graded sand, some clay, some gravel, olive brown, moist (SW) 104-107 Ft: Well graded sand and gravel, grayish brown, dry (SW-GW) 107-110 Ft: Clay, some sand, some gravel, dry, grayish brown, high plasticity (CH) 110-112 Ft: Sand, fine grained, trace gravel, brown, slightly moist (SM) 112-113 Ft: Sand, fine grained, trace gravel, brown, slightly moist (SM) 113-118 Ft: Sand, fine grained with gravel, trace silt, grayish brown, dry (SM) 118-120 Ft: Sand, fine grained, some gravel, grayish brown, slightly moist (SM) 120-125 Ft: Well graded sand with gravel, trace silt, olive brown, wet (SW) 125-128 Ft: Sand, fine grained, some gravel, trace silt, light olive brown, moist (SM)					Bentonite Grout to 136 Feet
105			0.2		105							
110				1.5		110						
115			12:28	2.3		115						
120			01:15	0.8		120						
125				0.4		125						

Environmental Support Technologies

\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Crucible-Vista Paint 3-2011\Boring Log CM-GW02A - 03-04-2011 - 03/21/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW02A		
Project Name: MAS/OCWD					Project Location: 2020 East Orangethorpe Avenue, Fullerton, California					Project No. 2736		
Driller: Cascade					Type of Rig: Sonic			Type/Size of Auger: Sonic Pipe 8", 6"				
Logged By: A. Flores					Date Drilled: 03/04/2011			Checked By: M. Mareello, PG, CHG		3 of 3		
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
130			01:34	0.2		130	128-129 Ft: Well graded sand and gravel, olive brown, wet (SW)					Bentonite Grout to 136 Feet
				0.0			129-130 Ft: Well graded sand, some gravel, trace silt, olive brown, wet (SW)					
				0.0			130-131 Ft: Sand, fine grained, some silt, olive brown, wet (SW)					
			01:37	0.0			131-132 Ft: Clay, trace silt, olive brown, high plasticity, moist (CH)					
135				0.0		135	132-136 Ft: Well graded sand, some gravel, trace clay, olive brown, moist (SW)					
							EOH 136 Feet					

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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG							Boring No. CM-GW03A					
Project Name: MAS/OCWD			Project Location: 2230 E Orangethorpe Avenue, Fullerton, California				Project No. 2736					
Driller: Cascade			Type of Rig: Sonic		Type/Size of Auger: Sonic Pipe 8", 6", 4"							
Logged By: M. Marelo, PG, CHG			Date Drilled: 03/04/2011 - 03/05/2011		Checked By:		1 of 3					
WATER AND WELL DATA					Total Depth of Well Completed: Temporary Well 133 ft.							
Depth of Water First Encountered: ≈ 120 Feet BGS					Screen Type, Dia., Interval: Sch 40 PVC, 2-Inch ID 123'-133'							
Static Depth of Water in Well: ≈ 118 Feet BGS					Slot Size and Filter Pack: 0.020", Filter Sock							
Total Depth of Boring: ≈ 135 Feet					Type/Size of Soil Sampler: 4" Core Barrel x 10'							
SOIL/ROCK SAMPLE DATA						DESCRIPTION OF LITHOLOGY						
Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation				WELL/BORING GRAPHIC	Description
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
0						0	Pothole to 6 Feet					
80			10:20	1.8		80	80.0-82.0 Ft: Clay, trace fine sand (CL), olive brown, moist, very stiff					
							82.0 - 85.0 Ft: Clay, with fine sand, some silt (CL-SC), olive-brown, moist, stiff					
85				2.5		85	85.0 - 87.0 Ft: Clay, with fine sand, some silt(CL-SC), olive-brown, moist, stiff. Increase in clay content with depth					
							87.0 - 91.0 Ft: Clay, some fine sand, (CL), brown, moist, stiff					
90			10:45	3.0		90	91.0 - 95.0 Ft: Clay (CL-CH), brown, moist, trace-silt, med. to high plasticity, med. toughness, high dry strength.					
							95.0 - 98.0 Ft: Well graded sand with gravel (SW), light brown, slightly moist, hard					
95			11:00	2.1		95	98.0 - 100.0 Ft: Gravel with silt and clay, some sand (GC) light brownish gray, dry, hard					

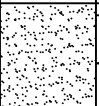
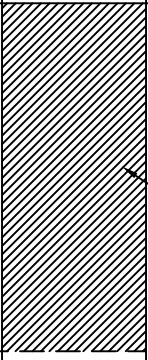
Environmental Support Technologies

\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Crucible-Vista Paint 3-2011\Boring Log CM-GW03A - 03-10-2011 - 03-11-2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW03A		
Project Name: MAS/OCWD					Project Location: 2230 E Orangethorpe Avenue, Fullerton, California					Project No. 2736		
Driller: Cascade					Type of Rig: Sonic			Type/Size of Auger: Sonic Pipe 8", 6", 4"				
Logged By: M. Marelo, PG, CHG					Date Drilled: 03/04/2011 - 03/05/2011			Checked By:			2 of 3	
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
100				2.1		100	98.0 - 100.0 Ft: Gravel with silt and clay, some sand (GC) light brownish gray, dry, hard					Bentonite Grout Seal
						100 - 102 Ft: No Recovery						
						102 - 105 Ft: Clay with silt, some sand (CL-ML) brown, soft, wet						
105			13:15	0.4		105	105 - 107 Ft: Gravel with clay, some sand (GC) gray, moist, hard/stiff					
				0.9			107 - 110 Ft: Well graded sand and gravel (SW-GW), slightly moist to moist					
110			13:30	0.5		110	110 - 115 Ft: Well graded sand and gravel, some silt, trace clay (SW-GW), brownish gray, moist at 112 ft., dry 113-115 ft					
				1.5		115	115 - 122 Ft: Well graded sand and gravel, some clay (SC-GC), brownish gray, wet at 120 ft.					
120			13:50	0.8		120	122 - 125 Ft: Silt, trace clay (ML), olive brown, very moist					
125			14:45	1.5		125	125-127 FT: Silt, trace clay (ML), olive brown, very moist, wet at 125 ft.					

Environmental Support Technologies

\\Estserver\projects\EST2700 To EST2799\Groundwater Investigation\Crucible-Vista Paint 3-2011\Boring Log CM-GW03A - 03-10-2011 - 03-11-2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW03A		
Project Name: MAS/OCWD					Project Location: 2230 E Orangethorpe Avenue, Fullerton, California					Project No. 2736		
Driller: Cascade					Type of Rig: Sonic			Type/Size of Auger: Sonic Pipe 8", 6", 4"				
Logged By: M. Marelllo, PG, CHG					Date Drilled: 03/04/2011 - 03/05/2011			Checked By:		3 of 3		
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
130			14:55			130	127 - 130 Ft: Well Graded sand, some gravel(SW), light brown, wet					Bentonite Grout Seal
						130 - 132 Ft: Well Graded sand, some gravel (SW), light brown, wet						
						132 - 135 Ft: Well Graded sand, some gravel (SW), light brown, wet						
135						135	EOH 135 Feet					

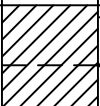
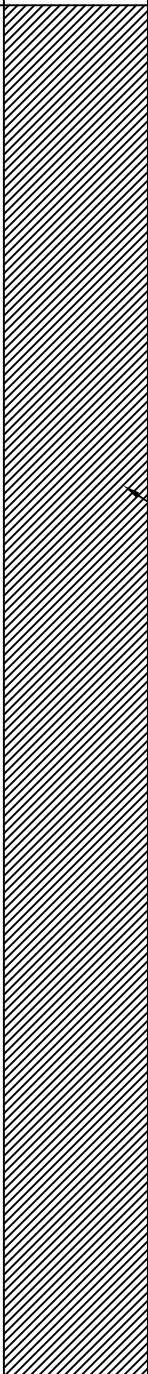
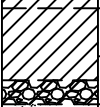
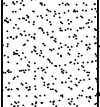
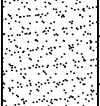
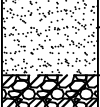
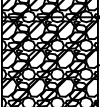
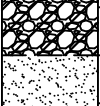

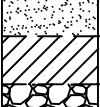
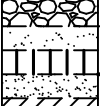
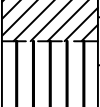
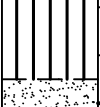
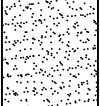
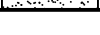
Environmental Support Technologies

\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Cuticle-Vista Paint 3-2011\Boring Log CM-GW04A - 02-24-2011 - 03/02/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW04A		
Project Name: MAS/OCWD					Project Location: 1850 E Orangethorpe Avenue, Fullerton, California					Project No. 2736		
Driller: Cascade					Type of Rig: Sonic			Type/Size of Auger: Sonic Pipe 8", 6"				
Logged By: M. Marelo, PG, CHG					Date Drilled: 02/24/2011 - 02/25/2011			Checked By:		1 of 3		
WATER AND WELL DATA					Total Depth of Well Completed: Temporary Well							
Depth of Water First Encountered: ≈ 120 Feet BGS					Screen Type, Dia., Interval: Sch 40 PVC, 2-Inch ID 123'-133'							
Static Depth of Water in Well: ≈ 122 Feet BGS					Slot Size and Filter Pack: 0.020", Filter Sock							
Total Depth of Boring: ≈ 135 Feet					Type/Size of Soil Sampler: 4" Core Barrel x 10'							
SOIL/ROCK SAMPLE DATA						DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description	
Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)			Trace (0-10%)
0						0	Pothole to 6 Feet					
80			10:45			80	80.0 - 85.0 Ft: Clay (CL-CH), dark gray, moist, very stiff, medium to high toughness, medium to high plasticity, high dry strength					Concrete
85			11:05			85	85.0 - 87.5 Ft: Clay with silt (CL), brown, stiff, moist to medium-dry strength					Bentonite Chip Seal
							87.5 - 88.5 Ft: Clay, trace silt (CL-CH), brown, moist, very stiff, high dry strength					
							88.5 - 90.0 Ft: Clay with silt (CL), brown, moist, very stiff					
90						90	90.0 - 92.0 Ft: Fine sand with silt, some clay (SM), brown, very moist					Bentonite Grout Seal
							92.0 - 96.0 Ft: Clay with silt (CL), brown, medium stiff, moist					
95			11:25			95	96.0 - 100 Ft: Clay (CL-CH), brown, moist, very stiff, medium to high toughness, medium to high plasticity, high dry strength					

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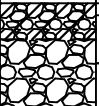
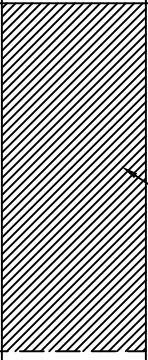





\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Crucible-Vista Paint 3-2011\Boring Log CM-GW04A - 02-24-2011 - 03/02/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG							Boring No. CM-GW04A					
Project Name: MAS/OCWD				Project Location: 1850 E Orangethorpe Avenue, Fullerton, California				Project No. 2736				
Driller: Cascade				Type of Rig: Sonic		Type/Size of Auger: Sonic Pipe 8", 6"						
Logged By: M. Marelo, PG, CHG				Date Drilled: 02/24/2011 - 02/25/2011		Checked By:		2 of 3				
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation					
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)		
100			13:55	0		100	96.0 - 100 Ft: Clay (CL-CH), brown, moist, very stiff, medium to high toughness, medium to high plasticity, high dry strength					Bentonite Grout Seal
				0			100 - 101 Ft: Clay (CL-CH), brown, moist, very stiff, medium to high toughness, medium to high plasticity, high dry strength					
				0			101 - 102.5 Ft: Clay with silt, some sand, trace gravel (CL), very moist, brown, medium stiff to soft					
				0			102.5 - 103 Ft: Gravel with clay, some sand (GC), olive-brown, moist					
105			14:10	0		105	103 - 109 Ft: Well graded sand, some gravel (SW), light brown to brown, moist					
				0								
				0								
110				0		110	109 - 110 Ft: Gravel with sand, some clay (GC), gray, moist to very moist					
				0			110 - 113 Ft: Gravel with sand, some clay (GC), gray, moist to very moist					
				0								
115			14:40	0		115	113 - 117 Ft: Well graded sand and gravel (SW-GW), brown, moist					
				0								
				0.1			117 - 118 Ft: Clay with silt, some sand (CL-ML), olive-brown, moist					
				0.5			118 - 119 Ft: Gravel, some clay and sand (GW-GC), light gray, dry					
120				0		120	119 - 119.5 Ft: Fine sand, some silt (SP-SM), light brown, moist					
				0			119.5 - 120 Ft: Silt and clay, some fine sand (ML-CL), olive-brown, moist					
				0			120 - 120.5 Ft: Well graded sand, some fine gravel (SW), brown, wet					
				0			120.5 - 121.5 Ft: Clay, some silt (CL), olive-brown, very moist, stiff					
				0								
125			15:20	0		125	121.5 - 124.5 Ft: Silt, trace clay (ML), olive-brown, very moist to wet					
				0								
				0			124.5 - 128 Ft: Well graded sand and gravel, trace clay (SW-GW), olive-brown, wet					

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\\Estserver\projects\EST2700 To EST2799\Groundwater Investigation\Crucible-Vista Paint 3-2011\Boring Log CM-GW04A - 02-24-2011 - 03/02/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG										Boring No. CM-GW04A			
Project Name: MAS/OCWD					Project Location: 1850 E Orangethorpe Avenue, Fullerton, California					Project No. 2736			
Driller: Cascade					Type of Rig: Sonic			Type/Size of Auger: Sonic Pipe 8", 6"					
Logged By: M. Mareello, PG, CHG					Date Drilled: 02/24/2011 - 02/25/2011			Checked By:			3 of 3		
Depth in Feet	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				WELL/BORING GRAPHIC	Description	
	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log		Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation						
							And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)			
130			15:45	0		130	128 - 128.5 Ft: Gravel with clay, some sand and silt (GC), olive-brown, wet						Bentonite Grout Seal
			0			128.5 - 130 Ft: Gravel and well graded sand, trace clay and silt (GW-SW), olive-brown, wet							
			0			130 - 130.5 Ft: Gravel and well graded sand, trace clay and silt (GW-SW), olive-brown, wet							
			0			130.5 - 132 Ft: Silt with fine sand (ML-SM), light brown, wet							
			0			132 - 133 Ft: Medium to fine sand with silt (SM), light brown, wet							
135				0		135	133 - 135 Ft: Silt, trace clay (ML), light brown, wet						
							EOH 135 Feet						

Environmental Support Technologies

ATTACHMENT C

LABORATORY REPORTS FOR SOILS ANALYSES





January 27, 2011

Mr. Michael Marello
Environmental Support Technologies
360 Goddard
Irvine, California 92618
RE: 2230 E. Orangethrope Ave., Fullerton CA.

Enclosed are the results of analyses for soil samples received by Environmental Support Technologies laboratory on 01/20/11 08:47. The analyses were performed according to the prescribed method as outlined by EPA 8260B. If you have any questions concerning this report, please feel free to contact Project Manager.

Sincerely,

Dien Nguyen

Dien Nguyen
Senior Chemist

Environmental Support Technologies laboratories are certified by the California Department of Health Services (CDHS),
Environmental Laboratory Accreditation Program (ELAP) No's. 1996, 2511, and 2767.

360 Goddard, Irvine, California 92618
Telephone: (949) 679-9500 Fax: (949) 679-9501



Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2230 E. Orangethrope Ave., Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marello

Reported:
27-Jan-11 11:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Analyzed
CM-GW01-10	2A12001-01	Soil	19-Jan-11 08:45	20-Jan-11 12:55
CM-GW01-20	2A12001-02	Soil	19-Jan-11 08:57	20-Jan-11 13:21
CM-GW01-30	2A12001-03	Soil	19-Jan-11 09:09	20-Jan-11 13:47
CM-GW01-40	2A12001-04	Soil	19-Jan-11 09:19	20-Jan-11 14:15
CM-GW01-50	2A12001-05	Soil	19-Jan-11 09:27	20-Jan-11 14:42
CM-GW01-60	2A12001-06	Soil	19-Jan-11 09:43	20-Jan-11 15:09
CM-GW01-70	2A12001-07	Soil	19-Jan-11 09:58	20-Jan-11 15:36

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2230 E. Orangethrope Ave., Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-10 (2A12001-01) Soil Sampled: 01/19/11 08:45 Analyzed: 01/20/11 12:55									
1,1,1,2-Tetrachloroethane	ND	3.0	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B	
1,1,1-Trichloroethane	ND	3.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	3.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	3.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	3.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	3.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	3.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	3.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	3.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	3.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	3.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	3.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	3.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	3.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	3.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	3.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	3.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	3.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	3.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	3.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	3.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	3.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	3.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	3.0	"	"	"	"	"	"	
Benzene	ND	3.0	"	"	"	"	"	"	
Bromobenzene	ND	3.0	"	"	"	"	"	"	
Bromochloromethane	ND	3.0	"	"	"	"	"	"	
Bromodichloromethane	ND	3.0	"	"	"	"	"	"	
Bromoform	ND	3.0	"	"	"	"	"	"	
Bromomethane	ND	3.0	"	"	"	"	"	"	
Carbon disulfide	ND	3.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	3.0	"	"	"	"	"	"	
Chlorobenzene	ND	3.0	"	"	"	"	"	"	
Chloroethane	ND	3.0	"	"	"	"	"	"	
Chloroform	ND	3.0	"	"	"	"	"	"	
Chloromethane	ND	3.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	3.0	"	"	"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2230 E. Orangethrope Ave., Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-10 (2A12001-01) Soil Sampled: 01/19/11 08:45 Analyzed: 01/20/11 12:55									
cis-1,3-Dichloropropene	ND	3.0	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B	
Dibromochloromethane	ND	3.0	"	"	"	"	"	"	
Dibromomethane	ND	3.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	3.0	"	"	"	"	"	"	
Ethylbenzene	ND	3.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	3.0	"	"	"	"	"	"	
Isopropylbenzene	ND	3.0	"	"	"	"	"	"	
Methylene Chloride	ND	3.0	"	"	"	"	"	"	
Naphthalene	ND	3.0	"	"	"	"	"	"	
n-Butylbenzene	ND	3.0	"	"	"	"	"	"	
n-Propylbenzene	ND	3.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	3.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	3.0	"	"	"	"	"	"	
Styrene	ND	3.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	ND	3.0	"	"	"	"	"	"	
Toluene	ND	3.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	3.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	3.0	"	"	"	"	"	"	
Trichloroethene	ND	3.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	3.0	"	"	"	"	"	"	
Vinyl Chloride	ND	3.0	"	"	"	"	"	"	
Xylenes (total)	ND	8.9	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		98.0 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		100 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.3 %	75-125		"	"	"	"	

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Environmental Support Technologies
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Irvine, California 92618

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Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-20 (2A12001-02) Soil Sampled: 01/19/11 08:57 Analyzed: 01/20/11 13:21									
1,1,1,2-Tetrachloroethane	ND	2.4	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.4	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.4	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.4	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.4	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.4	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.4	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.4	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.4	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.4	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.4	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.4	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.4	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.4	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.4	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.4	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.4	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.4	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.4	"	"	"	"	"	"	
Benzene	ND	2.4	"	"	"	"	"	"	
Bromobenzene	ND	2.4	"	"	"	"	"	"	
Bromochloromethane	ND	2.4	"	"	"	"	"	"	
Bromodichloromethane	ND	2.4	"	"	"	"	"	"	
Bromoform	ND	2.4	"	"	"	"	"	"	
Bromomethane	ND	2.4	"	"	"	"	"	"	
Carbon disulfide	8.0	2.4	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.4	"	"	"	"	"	"	
Chlorobenzene	ND	2.4	"	"	"	"	"	"	
Chloroethane	ND	2.4	"	"	"	"	"	"	
Chloroform	ND	2.4	"	"	"	"	"	"	
Chloromethane	ND	2.4	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.4	"	"	"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2230 E. Orangethrope Ave., Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-20 (2A12001-02) Soil Sampled: 01/19/11 08:57 Analyzed: 01/20/11 13:21									
cis-1,3-Dichloropropene	ND	2.4	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B	
Dibromochloromethane	ND	2.4	"	"	"	"	"	"	
Dibromomethane	ND	2.4	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.4	"	"	"	"	"	"	
Ethylbenzene	ND	2.4	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.4	"	"	"	"	"	"	
Isopropylbenzene	ND	2.4	"	"	"	"	"	"	
Methylene Chloride	ND	2.4	"	"	"	"	"	"	
Naphthalene	ND	2.4	"	"	"	"	"	"	
n-Butylbenzene	ND	2.4	"	"	"	"	"	"	
n-Propylbenzene	ND	2.4	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.4	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.4	"	"	"	"	"	"	
Styrene	ND	2.4	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.4	"	"	"	"	"	"	
Tetrachloroethene	3.8	2.4	"	"	"	"	"	"	
Toluene	ND	2.4	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.4	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.4	"	"	"	"	"	"	
Trichloroethene	ND	2.4	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.4	"	"	"	"	"	"	
Vinyl Chloride	ND	2.4	"	"	"	"	"	"	
Xylenes (total)	ND	7.3	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		112 %	75-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		118 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		80.2 %	75-125		"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2230 E. Orangethrope Ave., Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-30 (2A12001-03) Soil Sampled: 01/19/11 09:09 Analyzed: 01/20/11 13:47									
1,1,1,2-Tetrachloroethane	ND	1.9	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B	
1,1,1-Trichloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.9	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.9	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
Benzene	ND	1.9	"	"	"	"	"	"	
Bromobenzene	ND	1.9	"	"	"	"	"	"	
Bromochloromethane	ND	1.9	"	"	"	"	"	"	
Bromodichloromethane	ND	1.9	"	"	"	"	"	"	
Bromoform	ND	1.9	"	"	"	"	"	"	
Bromomethane	ND	1.9	"	"	"	"	"	"	
Carbon disulfide	ND	1.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.9	"	"	"	"	"	"	
Chlorobenzene	ND	1.9	"	"	"	"	"	"	
Chloroethane	ND	1.9	"	"	"	"	"	"	
Chloroform	ND	1.9	"	"	"	"	"	"	
Chloromethane	ND	1.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	

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Environmental Support Technologies
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Irvine, California 92618

Project: 2230 E. Orangethrope Ave., Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-30 (2A12001-03) Soil Sampled: 01/19/11 09:09 Analyzed: 01/20/11 13:47									
cis-1,3-Dichloropropene	ND	1.9	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B	
Dibromochloromethane	ND	1.9	"	"	"	"	"	"	
Dibromomethane	ND	1.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.9	"	"	"	"	"	"	
Ethylbenzene	ND	1.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.9	"	"	"	"	"	"	
Isopropylbenzene	ND	1.9	"	"	"	"	"	"	
Methylene Chloride	ND	1.9	"	"	"	"	"	"	
Naphthalene	ND	1.9	"	"	"	"	"	"	
n-Butylbenzene	ND	1.9	"	"	"	"	"	"	
n-Propylbenzene	ND	1.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Styrene	ND	1.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Tetrachloroethene	ND	1.9	"	"	"	"	"	"	
Toluene	ND	1.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.9	"	"	"	"	"	"	
Trichloroethene	ND	1.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.9	"	"	"	"	"	"	
Vinyl Chloride	ND	1.9	"	"	"	"	"	"	
Xylenes (total)	ND	5.7	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		91.8 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		101 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.2 %	75-125		"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2230 E. Orangethrope Ave., Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
CM-GW01-40 (2A12001-04) Soil Sampled: 01/19/11 09:19 Analyzed: 01/20/11 14:15										
1,1,1,2-Tetrachloroethane	ND	2.2	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B		
1,1,1-Trichloroethane	ND	2.2	"	"	"	"	"	"		
1,1,2,2-Tetrachloroethane	ND	2.2	"	"	"	"	"	"		
1,1,2-Trichloroethane	ND	2.2	"	"	"	"	"	"		
1,1,2-Trichloro-trifluoroethane	ND	2.2	"	"	"	"	"	"		
1,1-Dichloroethane	ND	2.2	"	"	"	"	"	"		
1,1-Dichloroethene	ND	2.2	"	"	"	"	"	"		
1,1-Dichloropropene	ND	2.2	"	"	"	"	"	"		
1,2,3-Trichlorobenzene	ND	2.2	"	"	"	"	"	"		
1,2,3-Trichloropropane	ND	2.2	"	"	"	"	"	"		
1,2,4-Trichlorobenzene	ND	2.2	"	"	"	"	"	"		
1,2,4-Trimethylbenzene	ND	2.2	"	"	"	"	"	"		
1,2-Dibromo-3-chloropropane	ND	2.2	"	"	"	"	"	"		
1,2-Dibromoethane	ND	2.2	"	"	"	"	"	"		
1,2-Dichlorobenzene	ND	2.2	"	"	"	"	"	"		
1,2-Dichloroethane	ND	2.2	"	"	"	"	"	"		
1,2-Dichloropropane	ND	2.2	"	"	"	"	"	"		
1,3,5-Trimethylbenzene	ND	2.2	"	"	"	"	"	"		
1,3-Dichlorobenzene	ND	2.2	"	"	"	"	"	"		
1,3-Dichloropropane	ND	2.2	"	"	"	"	"	"		
1,4-Dichlorobenzene	ND	2.2	"	"	"	"	"	"		
2,2-Dichloropropane	ND	2.2	"	"	"	"	"	"		
2-Chlorotoluene	ND	2.2	"	"	"	"	"	"		
4-Chlorotoluene	ND	2.2	"	"	"	"	"	"		
Benzene	ND	2.2	"	"	"	"	"	"		
Bromobenzene	ND	2.2	"	"	"	"	"	"		
Bromochloromethane	ND	2.2	"	"	"	"	"	"		
Bromodichloromethane	ND	2.2	"	"	"	"	"	"		
Bromoform	ND	2.2	"	"	"	"	"	"		
Bromomethane	ND	2.2	"	"	"	"	"	"		
Carbon disulfide	ND	2.2	"	"	"	"	"	"		
Carbon tetrachloride	ND	2.2	"	"	"	"	"	"		
Chlorobenzene	ND	2.2	"	"	"	"	"	"		
Chloroethane	ND	2.2	"	"	"	"	"	"		
Chloroform	ND	2.2	"	"	"	"	"	"		
Chloromethane	ND	2.2	"	"	"	"	"	"		
cis-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"		

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2230 E. Orangethrope Ave., Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:28

Volatile Organic Compounds
Environmental Support Technologies

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
CM-GW01-40 (2A12001-04) Soil Sampled: 01/19/11 09:19 Analyzed: 01/20/11 14:15										
cis-1,3-Dichloropropene	ND	2.2	ug/kg	1		21A2001	01/20/11	01/20/11	EPA 8260B	
Dibromochloromethane	ND	2.2	"	"		"	"	"	"	
Dibromomethane	ND	2.2	"	"		"	"	"	"	
Dichlorodifluoromethane	ND	2.2	"	"		"	"	"	"	
Ethylbenzene	ND	2.2	"	"		"	"	"	"	
Hexachlorobutadiene	ND	2.2	"	"		"	"	"	"	
Isopropylbenzene	ND	2.2	"	"		"	"	"	"	
Methylene Chloride	ND	2.2	"	"		"	"	"	"	
Naphthalene	ND	2.2	"	"		"	"	"	"	
n-Butylbenzene	ND	2.2	"	"		"	"	"	"	
n-Propylbenzene	ND	2.2	"	"		"	"	"	"	
p-Isopropyltoluene	ND	2.2	"	"		"	"	"	"	
sec-Butylbenzene	ND	2.2	"	"		"	"	"	"	
Styrene	ND	2.2	"	"		"	"	"	"	
tert-Butylbenzene	ND	2.2	"	"		"	"	"	"	
Tetrachloroethene	ND	2.2	"	"		"	"	"	"	
Toluene	ND	2.2	"	"		"	"	"	"	
trans-1,2-Dichloroethene	ND	2.2	"	"		"	"	"	"	
trans-1,3-Dichloropropene	ND	2.2	"	"		"	"	"	"	
Trichloroethene	ND	2.2	"	"		"	"	"	"	
Trichlorofluoromethane	ND	2.2	"	"		"	"	"	"	
Vinyl Chloride	ND	2.2	"	"		"	"	"	"	
Xylenes (total)	ND	6.6	"	"		"	"	"	"	
Surrogate: Dibromofluoromethane		94.6 %		75-125		"	"	"	"	
Surrogate: Toluene-d8		100 %		75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.7 %		75-125		"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2230 E. Orangethrope Ave., Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Limit							
CM-GW01-50 (2A12001-05) Soil Sampled: 01/19/11 09:27 Analyzed: 01/20/11 14:42										
1,1,1,2-Tetrachloroethane	ND	2.4	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B		
1,1,1-Trichloroethane	ND	2.4	"	"	"	"	"	"		
1,1,2,2-Tetrachloroethane	ND	2.4	"	"	"	"	"	"		
1,1,2-Trichloroethane	ND	2.4	"	"	"	"	"	"		
1,1,2-Trichloro-trifluoroethane	ND	2.4	"	"	"	"	"	"		
1,1-Dichloroethane	ND	2.4	"	"	"	"	"	"		
1,1-Dichloroethene	ND	2.4	"	"	"	"	"	"		
1,1-Dichloropropene	ND	2.4	"	"	"	"	"	"		
1,2,3-Trichlorobenzene	ND	2.4	"	"	"	"	"	"		
1,2,3-Trichloropropane	ND	2.4	"	"	"	"	"	"		
1,2,4-Trichlorobenzene	ND	2.4	"	"	"	"	"	"		
1,2,4-Trimethylbenzene	ND	2.4	"	"	"	"	"	"		
1,2-Dibromo-3-chloropropane	ND	2.4	"	"	"	"	"	"		
1,2-Dibromoethane	ND	2.4	"	"	"	"	"	"		
1,2-Dichlorobenzene	ND	2.4	"	"	"	"	"	"		
1,2-Dichloroethane	ND	2.4	"	"	"	"	"	"		
1,2-Dichloropropane	ND	2.4	"	"	"	"	"	"		
1,3,5-Trimethylbenzene	ND	2.4	"	"	"	"	"	"		
1,3-Dichlorobenzene	ND	2.4	"	"	"	"	"	"		
1,3-Dichloropropane	ND	2.4	"	"	"	"	"	"		
1,4-Dichlorobenzene	ND	2.4	"	"	"	"	"	"		
2,2-Dichloropropane	ND	2.4	"	"	"	"	"	"		
2-Chlorotoluene	ND	2.4	"	"	"	"	"	"		
4-Chlorotoluene	ND	2.4	"	"	"	"	"	"		
Benzene	ND	2.4	"	"	"	"	"	"		
Bromobenzene	ND	2.4	"	"	"	"	"	"		
Bromochloromethane	ND	2.4	"	"	"	"	"	"		
Bromodichloromethane	ND	2.4	"	"	"	"	"	"		
Bromoform	ND	2.4	"	"	"	"	"	"		
Bromomethane	ND	2.4	"	"	"	"	"	"		
Carbon disulfide	ND	2.4	"	"	"	"	"	"		
Carbon tetrachloride	ND	2.4	"	"	"	"	"	"		
Chlorobenzene	ND	2.4	"	"	"	"	"	"		
Chloroethane	ND	2.4	"	"	"	"	"	"		
Chloroform	ND	2.4	"	"	"	"	"	"		
Chloromethane	ND	2.4	"	"	"	"	"	"		
cis-1,2-Dichloroethene	ND	2.4	"	"	"	"	"	"		

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2230 E. Orangethrope Ave., Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:28

Volatile Organic Compounds
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-50 (2A12001-05) Soil Sampled: 01/19/11 09:27 Analyzed: 01/20/11 14:42									
cis-1,3-Dichloropropene	ND	2.4	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B	
Dibromochloromethane	ND	2.4	"	"	"	"	"	"	
Dibromomethane	ND	2.4	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.4	"	"	"	"	"	"	
Ethylbenzene	ND	2.4	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.4	"	"	"	"	"	"	
Isopropylbenzene	ND	2.4	"	"	"	"	"	"	
Methylene Chloride	ND	2.4	"	"	"	"	"	"	
Naphthalene	ND	2.4	"	"	"	"	"	"	
n-Butylbenzene	ND	2.4	"	"	"	"	"	"	
n-Propylbenzene	ND	2.4	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.4	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.4	"	"	"	"	"	"	
Styrene	ND	2.4	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.4	"	"	"	"	"	"	
Tetrachloroethene	ND	2.4	"	"	"	"	"	"	
Toluene	ND	2.4	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.4	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.4	"	"	"	"	"	"	
Trichloroethene	ND	2.4	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.4	"	"	"	"	"	"	
Vinyl Chloride	ND	2.4	"	"	"	"	"	"	
Xylenes (total)	ND	7.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		100 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		104 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.6 %	75-125		"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2230 E. Orangethrope Ave., Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
CM-GW01-60 (2A12001-06) Soil Sampled: 01/19/11 09:43 Analyzed: 01/20/11 15:09										
1,1,1,2-Tetrachloroethane	ND	2.1	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B		
1,1,1-Trichloroethane	ND	2.1	"	"	"	"	"	"		
1,1,2,2-Tetrachloroethane	ND	2.1	"	"	"	"	"	"		
1,1,2-Trichloroethane	ND	2.1	"	"	"	"	"	"		
1,1,2-Trichloro-trifluoroethane	ND	2.1	"	"	"	"	"	"		
1,1-Dichloroethane	ND	2.1	"	"	"	"	"	"		
1,1-Dichloroethene	ND	2.1	"	"	"	"	"	"		
1,1-Dichloropropene	ND	2.1	"	"	"	"	"	"		
1,2,3-Trichlorobenzene	ND	2.1	"	"	"	"	"	"		
1,2,3-Trichloropropane	ND	2.1	"	"	"	"	"	"		
1,2,4-Trichlorobenzene	ND	2.1	"	"	"	"	"	"		
1,2,4-Trimethylbenzene	ND	2.1	"	"	"	"	"	"		
1,2-Dibromo-3-chloropropane	ND	2.1	"	"	"	"	"	"		
1,2-Dibromoethane	ND	2.1	"	"	"	"	"	"		
1,2-Dichlorobenzene	ND	2.1	"	"	"	"	"	"		
1,2-Dichloroethane	ND	2.1	"	"	"	"	"	"		
1,2-Dichloropropane	ND	2.1	"	"	"	"	"	"		
1,3,5-Trimethylbenzene	ND	2.1	"	"	"	"	"	"		
1,3-Dichlorobenzene	ND	2.1	"	"	"	"	"	"		
1,3-Dichloropropane	ND	2.1	"	"	"	"	"	"		
1,4-Dichlorobenzene	ND	2.1	"	"	"	"	"	"		
2,2-Dichloropropane	ND	2.1	"	"	"	"	"	"		
2-Chlorotoluene	ND	2.1	"	"	"	"	"	"		
4-Chlorotoluene	ND	2.1	"	"	"	"	"	"		
Benzene	ND	2.1	"	"	"	"	"	"		
Bromobenzene	ND	2.1	"	"	"	"	"	"		
Bromochloromethane	ND	2.1	"	"	"	"	"	"		
Bromodichloromethane	ND	2.1	"	"	"	"	"	"		
Bromoform	ND	2.1	"	"	"	"	"	"		
Bromomethane	ND	2.1	"	"	"	"	"	"		
Carbon disulfide	ND	2.1	"	"	"	"	"	"		
Carbon tetrachloride	ND	2.1	"	"	"	"	"	"		
Chlorobenzene	ND	2.1	"	"	"	"	"	"		
Chloroethane	ND	2.1	"	"	"	"	"	"		
Chloroform	ND	2.1	"	"	"	"	"	"		
Chloromethane	ND	2.1	"	"	"	"	"	"		
cis-1,2-Dichloroethene	ND	2.1	"	"	"	"	"	"		

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2230 E. Orangethrope Ave., Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-60 (2A12001-06) Soil Sampled: 01/19/11 09:43 Analyzed: 01/20/11 15:09									
cis-1,3-Dichloropropene	ND	2.1	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B	
Dibromochloromethane	ND	2.1	"	"	"	"	"	"	
Dibromomethane	ND	2.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.1	"	"	"	"	"	"	
Ethylbenzene	ND	2.1	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.1	"	"	"	"	"	"	
Isopropylbenzene	ND	2.1	"	"	"	"	"	"	
Methylene Chloride	ND	2.1	"	"	"	"	"	"	
Naphthalene	ND	2.1	"	"	"	"	"	"	
n-Butylbenzene	ND	2.1	"	"	"	"	"	"	
n-Propylbenzene	ND	2.1	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.1	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.1	"	"	"	"	"	"	
Styrene	ND	2.1	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.1	"	"	"	"	"	"	
Tetrachloroethene	ND	2.1	"	"	"	"	"	"	
Toluene	ND	2.1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.1	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.1	"	"	"	"	"	"	
Trichloroethene	ND	2.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.1	"	"	"	"	"	"	
Vinyl Chloride	ND	2.1	"	"	"	"	"	"	
Xylenes (total)	ND	6.3	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		97.4 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		101 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.4 %	75-125		"	"	"	"	

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Environmental Support Technologies
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Irvine, California 92618

Project: 2230 E. Orangethrope Ave., Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Limit							
CM-GW01-70 (2A12001-07) Soil Sampled: 01/19/11 09:58 Analyzed: 01/20/11 15:36										
1,1,1,2-Tetrachloroethane	ND	1.7	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B		
1,1,1-Trichloroethane	ND	1.7	"	"	"	"	"	"		
1,1,2,2-Tetrachloroethane	ND	1.7	"	"	"	"	"	"		
1,1,2-Trichloroethane	ND	1.7	"	"	"	"	"	"		
1,1,2-Trichloro-trifluoroethane	ND	1.7	"	"	"	"	"	"		
1,1-Dichloroethane	ND	1.7	"	"	"	"	"	"		
1,1-Dichloroethene	2.6	1.7	"	"	"	"	"	"		
1,1-Dichloropropene	ND	1.7	"	"	"	"	"	"		
1,2,3-Trichlorobenzene	ND	1.7	"	"	"	"	"	"		
1,2,3-Trichloropropane	ND	1.7	"	"	"	"	"	"		
1,2,4-Trichlorobenzene	ND	1.7	"	"	"	"	"	"		
1,2,4-Trimethylbenzene	ND	1.7	"	"	"	"	"	"		
1,2-Dibromo-3-chloropropane	ND	1.7	"	"	"	"	"	"		
1,2-Dibromoethane	ND	1.7	"	"	"	"	"	"		
1,2-Dichlorobenzene	ND	1.7	"	"	"	"	"	"		
1,2-Dichloroethane	ND	1.7	"	"	"	"	"	"		
1,2-Dichloropropane	ND	1.7	"	"	"	"	"	"		
1,3,5-Trimethylbenzene	ND	1.7	"	"	"	"	"	"		
1,3-Dichlorobenzene	ND	1.7	"	"	"	"	"	"		
1,3-Dichloropropane	ND	1.7	"	"	"	"	"	"		
1,4-Dichlorobenzene	ND	1.7	"	"	"	"	"	"		
2,2-Dichloropropane	ND	1.7	"	"	"	"	"	"		
2-Chlorotoluene	ND	1.7	"	"	"	"	"	"		
4-Chlorotoluene	ND	1.7	"	"	"	"	"	"		
Benzene	ND	1.7	"	"	"	"	"	"		
Bromobenzene	ND	1.7	"	"	"	"	"	"		
Bromochloromethane	ND	1.7	"	"	"	"	"	"		
Bromodichloromethane	ND	1.7	"	"	"	"	"	"		
Bromoform	ND	1.7	"	"	"	"	"	"		
Bromomethane	ND	1.7	"	"	"	"	"	"		
Carbon disulfide	ND	1.7	"	"	"	"	"	"		
Carbon tetrachloride	ND	1.7	"	"	"	"	"	"		
Chlorobenzene	ND	1.7	"	"	"	"	"	"		
Chloroethane	ND	1.7	"	"	"	"	"	"		
Chloroform	ND	1.7	"	"	"	"	"	"		
Chloromethane	ND	1.7	"	"	"	"	"	"		
cis-1,2-Dichloroethene	ND	1.7	"	"	"	"	"	"		

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Environmental Support Technologies
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Irvine, California 92618

Project: 2230 E. Orangethrope Ave., Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-70 (2A12001-07) Soil Sampled: 01/19/11 09:58 Analyzed: 01/20/11 15:36									
cis-1,3-Dichloropropene	ND	1.7	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B	
Dibromochloromethane	ND	1.7	"	"	"	"	"	"	
Dibromomethane	ND	1.7	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.7	"	"	"	"	"	"	
Ethylbenzene	ND	1.7	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.7	"	"	"	"	"	"	
Isopropylbenzene	ND	1.7	"	"	"	"	"	"	
Methylene Chloride	ND	1.7	"	"	"	"	"	"	
Naphthalene	ND	1.7	"	"	"	"	"	"	
n-Butylbenzene	ND	1.7	"	"	"	"	"	"	
n-Propylbenzene	ND	1.7	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.7	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.7	"	"	"	"	"	"	
Styrene	ND	1.7	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.7	"	"	"	"	"	"	
Tetrachloroethene	2.1	1.7	"	"	"	"	"	"	
Toluene	ND	1.7	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.7	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.7	"	"	"	"	"	"	
Trichloroethene	ND	1.7	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.7	"	"	"	"	"	"	
Vinyl Chloride	ND	1.7	"	"	"	"	"	"	
Xylenes (total)	ND	5.1	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		93.9 %	75-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.5 %	75-125		"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2230 E. Orangethrope Ave., Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marello

Reported:
27-Jan-11 11:28

Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2001 - Volatiles										
Blank (21A2001-BLK1)				Prepared & Analyzed: 01/20/11						
1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg							
1,1,1-Trichloroethane	ND	2.0	"							
1,1,2,2-Tetrachloroethane	ND	2.0	"							
1,1,2-Trichloroethane	ND	2.0	"							
1,1,2-Trichloro-trifluoroethane	ND	2.0	"							
1,1-Dichloroethane	ND	2.0	"							
1,1-Dichloroethene	ND	2.0	"							
1,1-Dichloropropene	ND	2.0	"							
1,2,3-Trichlorobenzene	ND	2.0	"							
1,2,3-Trichloropropane	ND	2.0	"							
1,2,4-Trichlorobenzene	ND	2.0	"							
1,2,4-Trimethylbenzene	ND	2.0	"							
1,2-Dibromo-3-chloropropane	ND	2.0	"							
1,2-Dibromoethane	ND	2.0	"							
1,2-Dichlorobenzene	ND	2.0	"							
1,2-Dichloroethane	ND	2.0	"							
1,2-Dichloropropane	ND	2.0	"							
1,3,5-Trimethylbenzene	ND	2.0	"							
1,3-Dichlorobenzene	ND	2.0	"							
1,3-Dichloropropane	ND	2.0	"							
1,4-Dichlorobenzene	ND	2.0	"							
2,2-Dichloropropane	ND	2.0	"							
2-Chlorotoluene	ND	2.0	"							
4-Chlorotoluene	ND	2.0	"							
Benzene	ND	2.0	"							
Bromobenzene	ND	2.0	"							
Bromochloromethane	ND	2.0	"							
Bromodichloromethane	ND	2.0	"							
Bromoform	ND	2.0	"							
Bromomethane	ND	2.0	"							
Carbon disulfide	ND	2.0	"							
Carbon tetrachloride	ND	2.0	"							
Chlorobenzene	ND	2.0	"							

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Environmental Support Technologies
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27-Jan-11 11:28

Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 21A2001 - Volatiles

Blank (21A2001-BLK1)

Prepared & Analyzed: 01/20/11

Chloroethane	ND	2.0	ug/kg							
Chloroform	ND	2.0	"							
Chloromethane	ND	2.0	"							
cis-1,2-Dichloroethene	ND	2.0	"							
cis-1,3-Dichloropropene	ND	2.0	"							
Dibromochloromethane	ND	2.0	"							
Dibromomethane	ND	2.0	"							
Dichlorodifluoromethane	ND	2.0	"							
Ethylbenzene	ND	2.0	"							
Hexachlorobutadiene	ND	2.0	"							
Isopropylbenzene	ND	2.0	"							
Methylene Chloride	ND	2.0	"							
Naphthalene	ND	2.0	"							
n-Butylbenzene	ND	2.0	"							
n-Propylbenzene	ND	2.0	"							
p-Isopropyltoluene	ND	2.0	"							
sec-Butylbenzene	ND	2.0	"							
Styrene	ND	2.0	"							
tert-Butylbenzene	ND	2.0	"							
Tetrachloroethene	ND	2.0	"							
Toluene	ND	2.0	"							
trans-1,2-Dichloroethene	ND	2.0	"							
trans-1,3-Dichloropropene	ND	2.0	"							
Trichloroethene	ND	2.0	"							
Trichlorofluoromethane	ND	2.0	"							
Vinyl Chloride	ND	2.0	"							
Xylenes (total)	ND	6.0	"							
Surrogate: Dibromofluoromethane	46.0		"	50.0		92.1	75-125			
Surrogate: Toluene-d8	51.2		"	50.0		102	75-125			
Surrogate: 4-Bromofluorobenzene	46.1		"	50.0		92.2	75-125			

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Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:28

Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 21A2001 - Volatiles

LCS (21A2001-BS1)

Prepared & Analyzed: 01/20/11

1,1,1,2-Tetrachloroethane	49.7	2.0	ug/kg	50.0		99.4	74-129			
1,1,1-Trichloroethane	45.8	2.0	"	50.0		91.6	81-124			
1,1,2,2-Tetrachloroethane	56.5	2.0	"	50.0		113	61-125			
1,1,2-Trichloroethane	47.5	2.0	"	50.0		95.0	77-118			
1,1,2-Trichloro-trifluoroethane	52.4	2.0	"	50.0		105	85-115			
1,1-Dichloroethane	51.1	2.0	"	50.0		102	83-117			
1,1-Dichloroethene	51.0	2.0	"	50.0		102	85-116			
1,1-Dichloropropene	45.7	2.0	"	50.0		91.5	80-116			
1,2,3-Trichlorobenzene	59.3	2.0	"	50.0		119	85-118			QL-H
1,2,3-Trichloropropane	50.9	2.0	"	50.0		102	64-122			
1,2,4-Trichlorobenzene	59.3	2.0	"	50.0		119	85-115			QL-H
1,2,4-Trimethylbenzene	78.7	2.0	"	50.0		157	85-115			QL-H
1,2-Dibromo-3-chloropropane	57.6	2.0	"	50.0		115	36-148			
1,2-Dibromoethane	79.2	2.0	"	50.0		158	85-115			QL-H
1,2-Dichlorobenzene	66.7	2.0	"	50.0		133	85-115			QL-H
1,2-Dichloroethane	46.8	2.0	"	50.0		93.6	82-118			
1,2-Dichloropropane	52.3	2.0	"	50.0		105	85-115			
1,3,5-Trimethylbenzene	81.5	2.0	"	50.0		163	85-115			QL-H
1,3-Dichlorobenzene	67.4	2.0	"	50.0		135	85-115			QL-H
1,3-Dichloropropane	50.8	2.0	"	50.0		102	83-116			
1,4-Dichlorobenzene	65.4	2.0	"	50.0		131	85-115			QL-H
2,2-Dichloropropane	52.0	2.0	"	50.0		104	71-144			
2-Chlorotoluene	46.8	2.0	"	50.0		93.5	85-115			
4-Chlorotoluene	70.4	2.0	"	50.0		141	85-115			QL-H
Benzene	43.5	2.0	"	50.0		87.0	85-115			
Bromobenzene	53.3	2.0	"	50.0		107	85-115			
Bromochloromethane	63.6	2.0	"	50.0		127	81-117			QL-H
Bromodichloromethane	55.9	2.0	"	50.0		112	80-121			
Bromoform	57.5	2.0	"	50.0		115	53-145			
Bromomethane	46.9	2.0	"	50.0		93.8	75-123			
Carbon disulfide	49.4	2.0	"	50.0		98.9	78-125			
Carbon tetrachloride	55.0	2.0	"	50.0		110	83-125			
Chlorobenzene	45.8	2.0	"	50.0		91.7	85-115			

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Environmental Support Technologies
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Irvine, California 92618

Project: 2230 E. Orangethrope Ave., Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:28

Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 21A2001 - Volatiles

LCS (21A2001-BS1)

Prepared & Analyzed: 01/20/11

Chloroethane	59.5	2.0	ug/kg	50.0		119	63-145			
Chloroform	52.2	2.0	"	50.0		104	82-120			
Chloromethane	50.9	2.0	"	50.0		102	71-128			
cis-1,2-Dichloroethene	51.8	2.0	"	50.0		104	81-122			
cis-1,3-Dichloropropene	55.5	2.0	"	50.0		111	85-116			
Dibromochloromethane	55.9	2.0	"	50.0		112	76-116			
Dibromomethane	54.3	2.0	"	50.0		109	83-117			
Dichlorodifluoromethane	49.5	2.0	"	50.0		99.0	75-118			
Ethylbenzene	44.5	2.0	"	50.0		89.0	83-115			
Hexachlorobutadiene	92.6	2.0	"	50.0		185	84-131			QL-H
Isopropylbenzene	50.6	2.0	"	50.0		101	85-115			
Methylene Chloride	56.6	2.0	"	50.0		113	85-119			
Naphthalene	77.3	2.0	"	50.0		155	58-121			QL-H
n-Butylbenzene	45.4	2.0	"	50.0		90.8	85-117			
n-Propylbenzene	43.5	2.0	"	50.0		87.0	85-115			
p-Isopropyltoluene	79.0	2.0	"	50.0		158	85-115			QL-H
sec-Butylbenzene	79.0	2.0	"	50.0		158	85-115			QL-H
Styrene	55.5	2.0	"	50.0		111	85-115			
tert-Butylbenzene	75.0	2.0	"	50.0		150	85-115			QL-H
Tetrachloroethene	45.2	2.0	"	50.0		90.4	70-139			
Toluene	46.3	2.0	"	50.0		92.6	77-115			
trans-1,2-Dichloroethene	47.6	2.0	"	50.0		95.2	85-115			
trans-1,3-Dichloropropene	54.9	2.0	"	50.0		110	77-121			
Trichloroethene	47.3	2.0	"	50.0		94.7	79-123			
Trichlorofluoromethane	67.4	2.0	"	50.0		135	63-151			
Vinyl Chloride	57.4	2.0	"	50.0		115	85-116			
Xylenes (total)	125	6.0	"	150		83.3	79-115			
Surrogate: Dibromofluoromethane	50.4		"	50.0		101	75-125			
Surrogate: Toluene-d8	53.7		"	50.0		107	75-125			
Surrogate: 4-Bromofluorobenzene	40.1		"	50.0		80.2	75-125			

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Reported:
27-Jan-11 11:28

Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 21A2001 - Volatiles

LCS Dup (21A2001-BSD1)

Prepared & Analyzed: 01/20/11

1,1,1,2-Tetrachloroethane	49.9	2.0	ug/kg	50.0		99.9	74-129	0.482	20	
1,1,1-Trichloroethane	42.4	2.0	"	50.0		84.8	81-124	7.76	20	
1,1,2,2-Tetrachloroethane	55.7	2.0	"	50.0		111	61-125	1.36	20	
1,1,2-Trichloroethane	46.6	2.0	"	50.0		93.2	77-118	1.91	20	
1,1,2-Trichloro-trifluoroethane	48.3	2.0	"	50.0		96.6	85-115	8.06	20	
1,1-Dichloroethane	48.3	2.0	"	50.0		96.6	83-117	5.67	20	
1,1-Dichloroethene	50.2	2.0	"	50.0		100	85-116	1.66	20	
1,1-Dichloropropene	45.5	2.0	"	50.0		91.0	80-116	0.482	20	
1,2,3-Trichlorobenzene	52.4	2.0	"	50.0		105	85-118	12.3	20	
1,2,3-Trichloropropane	50.6	2.0	"	50.0		101	64-122	0.631	20	
1,2,4-Trichlorobenzene	52.4	2.0	"	50.0		105	85-115	12.3	20	
1,2,4-Trimethylbenzene	75.2	2.0	"	50.0		150	85-115	4.50	20	QL-H
1,2-Dibromo-3-chloropropane	56.4	2.0	"	50.0		113	36-148	2.14	20	
1,2-Dibromoethane	75.2	2.0	"	50.0		150	85-115	5.21	20	QL-H
1,2-Dichlorobenzene	66.2	2.0	"	50.0		132	85-115	0.782	20	QL-H
1,2-Dichloroethane	47.4	2.0	"	50.0		94.8	82-118	1.32	20	
1,2-Dichloropropane	52.2	2.0	"	50.0		104	85-115	0.344	20	
1,3,5-Trimethylbenzene	77.8	2.0	"	50.0		156	85-115	4.72	20	QL-H
1,3-Dichlorobenzene	67.3	2.0	"	50.0		135	85-115	0.208	20	QL-H
1,3-Dichloropropane	48.7	2.0	"	50.0		97.4	83-116	4.22	20	
1,4-Dichlorobenzene	64.0	2.0	"	50.0		128	85-115	2.20	20	QL-H
2,2-Dichloropropane	49.8	2.0	"	50.0		99.6	71-144	4.25	20	
2-Chlorotoluene	46.6	2.0	"	50.0		93.2	85-115	0.300	20	
4-Chlorotoluene	68.8	2.0	"	50.0		138	85-115	2.18	20	QL-H
Benzene	43.7	2.0	"	50.0		87.4	85-115	0.367	20	
Bromobenzene	54.4	2.0	"	50.0		109	85-115	1.89	20	
Bromochloromethane	66.4	2.0	"	50.0		133	81-117	4.34	20	QL-H
Bromodichloromethane	53.6	2.0	"	50.0		107	80-121	4.27	20	
Bromoform	58.4	2.0	"	50.0		117	53-145	1.62	20	
Bromomethane	50.6	2.0	"	50.0		101	75-123	7.59	20	
Carbon disulfide	50.0	2.0	"	50.0		100	78-125	1.09	20	
Carbon tetrachloride	54.1	2.0	"	50.0		108	83-125	1.65	20	
Chlorobenzene	45.0	2.0	"	50.0		90.0	85-115	1.85	20	

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Irvine, California 92618

Project: 2230 E. Orangethrope Ave., Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:28

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 21A2001 - Volatiles

LCS Dup (21A2001-BSD1)

Prepared & Analyzed: 01/20/11

Chloroethane	60.4	2.0	ug/kg	50.0		121	63-145	1.47	20	
Chloroform	47.8	2.0	"	50.0		95.5	82-120	8.92	20	
Chloromethane	56.3	2.0	"	50.0		113	71-128	10.1	20	
cis-1,2-Dichloroethene	55.0	2.0	"	50.0		110	81-122	5.84	20	
cis-1,3-Dichloropropene	58.3	2.0	"	50.0		117	85-116	4.92	20	QL-H
Dibromochloromethane	57.2	2.0	"	50.0		114	76-116	2.33	20	
Dibromomethane	55.8	2.0	"	50.0		112	83-117	2.72	20	
Dichlorodifluoromethane	50.3	2.0	"	50.0		101	75-118	1.56	20	
Ethylbenzene	44.1	2.0	"	50.0		88.1	83-115	0.949	20	
Hexachlorobutadiene	84.7	2.0	"	50.0		169	84-131	8.96	20	QL-H
Isopropylbenzene	48.7	2.0	"	50.0		97.4	85-115	3.87	20	
Methylene Chloride	57.8	2.0	"	50.0		116	85-119	2.20	20	
Naphthalene	69.1	2.0	"	50.0		138	58-121	11.3	20	QL-H
n-Butylbenzene	41.3	2.0	"	50.0		82.5	85-117	9.51	20	QL-H
n-Propylbenzene	42.2	2.0	"	50.0		84.4	85-115	2.99	20	QL-H
p-Isopropyltoluene	74.4	2.0	"	50.0		149	85-115	6.07	20	QL-H
sec-Butylbenzene	74.9	2.0	"	50.0		150	85-115	5.35	20	QL-H
Styrene	54.6	2.0	"	50.0		109	85-115	1.60	20	
tert-Butylbenzene	73.9	2.0	"	50.0		148	85-115	1.42	20	QL-H
Tetrachloroethene	43.8	2.0	"	50.0		87.5	70-139	3.19	20	
Toluene	43.9	2.0	"	50.0		87.9	77-115	5.27	20	
trans-1,2-Dichloroethene	49.1	2.0	"	50.0		98.2	85-115	3.10	20	
trans-1,3-Dichloropropene	54.4	2.0	"	50.0		109	77-121	0.805	20	
Trichloroethene	44.6	2.0	"	50.0		89.1	79-123	6.05	20	
Trichlorofluoromethane	66.4	2.0	"	50.0		133	63-151	1.49	20	
Vinyl Chloride	57.7	2.0	"	50.0		115	85-116	0.522	20	
Xylenes (total)	124	6.0	"	150		82.3	79-115	1.21	20	
Surrogate: Dibromofluoromethane	52.9		"	50.0		106	75-125			
Surrogate: Toluene-d8	54.4		"	50.0		109	75-125			
Surrogate: 4-Bromofluorobenzene	41.0		"	50.0		82.0	75-125			

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Irvine, California 92618

Project: 2230 E. Orangethrope Ave., Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:28

Notes and Definitions

QL-H	The spike recovery was out high for the LCS and/or the LCSD; however the analyte was not detected in any of the analyzed samples.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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January 27, 2011

Mr. Michael Marello
Environmental Support Technologies
360 Goddard
Irvine, California 92618
RE: 2020 East Orangethorpe Avenue, Fullerton

Enclosed are the results of analyses for soil samples received by Environmental Support Technologies laboratory on 01/21/11 14:55. The analyses were performed according to the prescribed method as outlined by EPA 8260B. If you have any questions concerning this report, please feel free to contact Project Manager.

Sincerely,

Dien Nguyen

Dien Nguyen
Senior Chemist

Environmental Support Technologies laboratories are certified by the California Department of Health Services (CDHS),
Environmental Laboratory Accreditation Program (ELAP) No's. 1996, 2511, and 2767.

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marello

Reported:
27-Jan-11 11:43

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Analyzed
CM-GW02-10	2A12102-01	Soil	21-Jan-11 07:45	21-Jan-11 16:33
CM-GW02-20	2A12102-02	Soil	21-Jan-11 07:52	21-Jan-11 17:00
CM-GW02-30	2A12102-03	Soil	21-Jan-11 08:16	21-Jan-11 17:26
CM-GW02-40	2A12102-04	Soil	21-Jan-11 08:23	21-Jan-11 17:52
CM-GW02-50	2A12102-05	Soil	21-Jan-11 08:30	21-Jan-11 18:19
CM-GW02-60	2A12102-06	Soil	21-Jan-11 08:40	21-Jan-11 18:45
CM-GW02-70	2A12102-07	Soil	21-Jan-11 08:54	21-Jan-11 19:12
CM-GW03-10	2A12102-08	Soil	21-Jan-11 08:19	24-Jan-11 14:51
CM-GW03-20	2A12102-09	Soil	21-Jan-11 08:27	24-Jan-11 15:18
CM-GW03-30	2A12102-10	Soil	21-Jan-11 08:36	24-Jan-11 15:44
CM-GW03-40	2A12102-11	Soil	21-Jan-11 08:50	24-Jan-11 16:11
CM-GW03-50	2A12102-12	Soil	21-Jan-11 08:57	24-Jan-11 16:40
CM-GW03-60	2A12102-13	Soil	21-Jan-11 09:09	24-Jan-11 17:08
CM-GW03-70	2A12102-14	Soil	21-Jan-11 09:20	24-Jan-11 17:35
CM-GW03-80	2A12102-15	Soil	21-Jan-11 09:30	24-Jan-11 18:03

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Environmental Support Technologies
360 Goddard
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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-10 (2A12102-01) Soil Sampled: 01/21/11 07:45 Analyzed: 01/21/11 16:33									
1,1,1,2-Tetrachloroethane	ND	1.9	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.9	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.9	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
Benzene	ND	1.9	"	"	"	"	"	"	
Bromobenzene	ND	1.9	"	"	"	"	"	"	
Bromochloromethane	ND	1.9	"	"	"	"	"	"	
Bromodichloromethane	ND	1.9	"	"	"	"	"	"	
Bromoform	ND	1.9	"	"	"	"	"	"	
Bromomethane	ND	1.9	"	"	"	"	"	"	
Carbon disulfide	2.1	1.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.9	"	"	"	"	"	"	
Chlorobenzene	ND	1.9	"	"	"	"	"	"	
Chloroethane	ND	1.9	"	"	"	"	"	"	
Chloroform	ND	1.9	"	"	"	"	"	"	
Chloromethane	ND	1.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-10 (2A12102-01) Soil Sampled: 01/21/11 07:45 Analyzed: 01/21/11 16:33									
cis-1,3-Dichloropropene	ND	1.9	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	1.9	"	"	"	"	"	"	
Dibromomethane	ND	1.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.9	"	"	"	"	"	"	
Ethylbenzene	ND	1.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.9	"	"	"	"	"	"	
Isopropylbenzene	ND	1.9	"	"	"	"	"	"	
Methylene Chloride	ND	1.9	"	"	"	"	"	"	
Naphthalene	ND	1.9	"	"	"	"	"	"	
n-Butylbenzene	ND	1.9	"	"	"	"	"	"	
n-Propylbenzene	ND	1.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Styrene	ND	1.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Tetrachloroethene	ND	1.9	"	"	"	"	"	"	
Toluene	ND	1.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.9	"	"	"	"	"	"	
Trichloroethene	ND	1.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.9	"	"	"	"	"	"	
Vinyl Chloride	ND	1.9	"	"	"	"	"	"	
Xylenes (total)	ND	5.7	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		88.3 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		102 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.4 %	75-125		"	"	"	"	

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Environmental Support Technologies
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Irvine, California 92618

Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-20 (2A12102-02) Soil Sampled: 01/21/11 07:52 Analyzed: 01/21/11 17:00									
1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.0	"	"	"	"	"	"	
Benzene	ND	2.0	"	"	"	"	"	"	
Bromobenzene	ND	2.0	"	"	"	"	"	"	
Bromochloromethane	ND	2.0	"	"	"	"	"	"	
Bromodichloromethane	ND	2.0	"	"	"	"	"	"	
Bromoform	ND	2.0	"	"	"	"	"	"	
Bromomethane	ND	2.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.0	"	"	"	"	"	"	
Chlorobenzene	ND	2.0	"	"	"	"	"	"	
Chloroethane	ND	2.0	"	"	"	"	"	"	
Chloroform	ND	2.0	"	"	"	"	"	"	
Chloromethane	ND	2.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-20 (2A12102-02) Soil Sampled: 01/21/11 07:52 Analyzed: 01/21/11 17:00									
cis-1,3-Dichloropropene	ND	2.0	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	2.0	"	"	"	"	"	"	
Dibromomethane	ND	2.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.0	"	"	"	"	"	"	
Ethylbenzene	ND	2.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.0	"	"	"	"	"	"	
Isopropylbenzene	ND	2.0	"	"	"	"	"	"	
Methylene Chloride	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	2.0	"	"	"	"	"	"	
n-Butylbenzene	ND	2.0	"	"	"	"	"	"	
n-Propylbenzene	ND	2.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.0	"	"	"	"	"	"	
Styrene	ND	2.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.0	"	"	"	"	"	"	
Tetrachloroethene	ND	2.0	"	"	"	"	"	"	
Toluene	ND	2.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.0	"	"	"	"	"	"	
Trichloroethene	ND	2.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.0	"	"	"	"	"	"	
Vinyl Chloride	ND	2.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.9	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		101 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		100 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.0 %	75-125		"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-30 (2A12102-03) Soil Sampled: 01/21/11 08:16 Analyzed: 01/21/11 17:26									
1,1,1,2-Tetrachloroethane	ND	2.3	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.3	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.3	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.3	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.3	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.3	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.3	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.3	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.3	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.3	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.3	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.3	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.3	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.3	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.3	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.3	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.3	"	"	"	"	"	"	
Benzene	ND	2.3	"	"	"	"	"	"	
Bromobenzene	ND	2.3	"	"	"	"	"	"	
Bromochloromethane	ND	2.3	"	"	"	"	"	"	
Bromodichloromethane	ND	2.3	"	"	"	"	"	"	
Bromoform	ND	2.3	"	"	"	"	"	"	
Bromomethane	ND	2.3	"	"	"	"	"	"	
Carbon disulfide	ND	2.3	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.3	"	"	"	"	"	"	
Chlorobenzene	ND	2.3	"	"	"	"	"	"	
Chloroethane	ND	2.3	"	"	"	"	"	"	
Chloroform	ND	2.3	"	"	"	"	"	"	
Chloromethane	ND	2.3	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.3	"	"	"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-30 (2A12102-03) Soil Sampled: 01/21/11 08:16 Analyzed: 01/21/11 17:26									
cis-1,3-Dichloropropene	ND	2.3	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	2.3	"	"	"	"	"	"	
Dibromomethane	ND	2.3	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.3	"	"	"	"	"	"	
Ethylbenzene	ND	2.3	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.3	"	"	"	"	"	"	
Isopropylbenzene	ND	2.3	"	"	"	"	"	"	
Methylene Chloride	ND	2.3	"	"	"	"	"	"	
Naphthalene	ND	2.3	"	"	"	"	"	"	
n-Butylbenzene	ND	2.3	"	"	"	"	"	"	
n-Propylbenzene	ND	2.3	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.3	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.3	"	"	"	"	"	"	
Styrene	ND	2.3	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.3	"	"	"	"	"	"	
Tetrachloroethene	ND	2.3	"	"	"	"	"	"	
Toluene	ND	2.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.3	"	"	"	"	"	"	
Trichloroethene	ND	2.3	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.3	"	"	"	"	"	"	
Vinyl Chloride	ND	2.3	"	"	"	"	"	"	
Xylenes (total)	ND	6.8	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		99.2 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		103 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.4 %	75-125		"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
CM-GW02-40 (2A12102-04) Soil Sampled: 01/21/11 08:23 Analyzed: 01/21/11 17:52										
1,1,1,2-Tetrachloroethane	ND	2.7	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B		
1,1,1-Trichloroethane	ND	2.7	"	"	"	"	"	"		
1,1,2,2-Tetrachloroethane	ND	2.7	"	"	"	"	"	"		
1,1,2-Trichloroethane	ND	2.7	"	"	"	"	"	"		
1,1,2-Trichloro-trifluoroethane	ND	2.7	"	"	"	"	"	"		
1,1-Dichloroethane	ND	2.7	"	"	"	"	"	"		
1,1-Dichloroethene	ND	2.7	"	"	"	"	"	"		
1,1-Dichloropropene	ND	2.7	"	"	"	"	"	"		
1,2,3-Trichlorobenzene	ND	2.7	"	"	"	"	"	"		
1,2,3-Trichloropropane	ND	2.7	"	"	"	"	"	"		
1,2,4-Trichlorobenzene	ND	2.7	"	"	"	"	"	"		
1,2,4-Trimethylbenzene	ND	2.7	"	"	"	"	"	"		
1,2-Dibromo-3-chloropropane	ND	2.7	"	"	"	"	"	"		
1,2-Dibromoethane	ND	2.7	"	"	"	"	"	"		
1,2-Dichlorobenzene	ND	2.7	"	"	"	"	"	"		
1,2-Dichloroethane	ND	2.7	"	"	"	"	"	"		
1,2-Dichloropropane	ND	2.7	"	"	"	"	"	"		
1,3,5-Trimethylbenzene	ND	2.7	"	"	"	"	"	"		
1,3-Dichlorobenzene	ND	2.7	"	"	"	"	"	"		
1,3-Dichloropropane	ND	2.7	"	"	"	"	"	"		
1,4-Dichlorobenzene	ND	2.7	"	"	"	"	"	"		
2,2-Dichloropropane	ND	2.7	"	"	"	"	"	"		
2-Chlorotoluene	ND	2.7	"	"	"	"	"	"		
4-Chlorotoluene	ND	2.7	"	"	"	"	"	"		
Benzene	ND	2.7	"	"	"	"	"	"		
Bromobenzene	ND	2.7	"	"	"	"	"	"		
Bromochloromethane	ND	2.7	"	"	"	"	"	"		
Bromodichloromethane	ND	2.7	"	"	"	"	"	"		
Bromoform	ND	2.7	"	"	"	"	"	"		
Bromomethane	ND	2.7	"	"	"	"	"	"		
Carbon disulfide	ND	2.7	"	"	"	"	"	"		
Carbon tetrachloride	ND	2.7	"	"	"	"	"	"		
Chlorobenzene	ND	2.7	"	"	"	"	"	"		
Chloroethane	ND	2.7	"	"	"	"	"	"		
Chloroform	ND	2.7	"	"	"	"	"	"		
Chloromethane	ND	2.7	"	"	"	"	"	"		
cis-1,2-Dichloroethene	ND	2.7	"	"	"	"	"	"		

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Environmental Support Technologies
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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-40 (2A12102-04) Soil Sampled: 01/21/11 08:23 Analyzed: 01/21/11 17:52									
cis-1,3-Dichloropropene	ND	2.7	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	2.7	"	"	"	"	"	"	
Dibromomethane	ND	2.7	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.7	"	"	"	"	"	"	
Ethylbenzene	ND	2.7	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.7	"	"	"	"	"	"	
Isopropylbenzene	ND	2.7	"	"	"	"	"	"	
Methylene Chloride	ND	2.7	"	"	"	"	"	"	
Naphthalene	ND	2.7	"	"	"	"	"	"	
n-Butylbenzene	ND	2.7	"	"	"	"	"	"	
n-Propylbenzene	ND	2.7	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.7	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.7	"	"	"	"	"	"	
Styrene	ND	2.7	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.7	"	"	"	"	"	"	
Tetrachloroethene	ND	2.7	"	"	"	"	"	"	
Toluene	ND	2.7	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.7	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.7	"	"	"	"	"	"	
Trichloroethene	ND	2.7	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.7	"	"	"	"	"	"	
Vinyl Chloride	ND	2.7	"	"	"	"	"	"	
Xylenes (total)	ND	8.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		91.0 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		101 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.0 %	75-125		"	"	"	"	

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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds
Environmental Support Technologies

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Limit							
CM-GW02-50 (2A12102-05) Soil Sampled: 01/21/11 08:30 Analyzed: 01/21/11 18:19										
1,1,1,2-Tetrachloroethane	ND	2.2	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B		
1,1,1-Trichloroethane	ND	2.2	"	"	"	"	"	"		
1,1,2,2-Tetrachloroethane	ND	2.2	"	"	"	"	"	"		
1,1,2-Trichloroethane	ND	2.2	"	"	"	"	"	"		
1,1,2-Trichloro-trifluoroethane	ND	2.2	"	"	"	"	"	"		
1,1-Dichloroethane	ND	2.2	"	"	"	"	"	"		
1,1-Dichloroethene	ND	2.2	"	"	"	"	"	"		
1,1-Dichloropropene	ND	2.2	"	"	"	"	"	"		
1,2,3-Trichlorobenzene	ND	2.2	"	"	"	"	"	"		
1,2,3-Trichloropropane	ND	2.2	"	"	"	"	"	"		
1,2,4-Trichlorobenzene	ND	2.2	"	"	"	"	"	"		
1,2,4-Trimethylbenzene	ND	2.2	"	"	"	"	"	"		
1,2-Dibromo-3-chloropropane	ND	2.2	"	"	"	"	"	"		
1,2-Dibromoethane	ND	2.2	"	"	"	"	"	"		
1,2-Dichlorobenzene	ND	2.2	"	"	"	"	"	"		
1,2-Dichloroethane	ND	2.2	"	"	"	"	"	"		
1,2-Dichloropropane	ND	2.2	"	"	"	"	"	"		
1,3,5-Trimethylbenzene	ND	2.2	"	"	"	"	"	"		
1,3-Dichlorobenzene	ND	2.2	"	"	"	"	"	"		
1,3-Dichloropropane	ND	2.2	"	"	"	"	"	"		
1,4-Dichlorobenzene	ND	2.2	"	"	"	"	"	"		
2,2-Dichloropropane	ND	2.2	"	"	"	"	"	"		
2-Chlorotoluene	ND	2.2	"	"	"	"	"	"		
4-Chlorotoluene	ND	2.2	"	"	"	"	"	"		
Benzene	ND	2.2	"	"	"	"	"	"		
Bromobenzene	ND	2.2	"	"	"	"	"	"		
Bromochloromethane	ND	2.2	"	"	"	"	"	"		
Bromodichloromethane	ND	2.2	"	"	"	"	"	"		
Bromoform	ND	2.2	"	"	"	"	"	"		
Bromomethane	ND	2.2	"	"	"	"	"	"		
Carbon disulfide	ND	2.2	"	"	"	"	"	"		
Carbon tetrachloride	ND	2.2	"	"	"	"	"	"		
Chlorobenzene	ND	2.2	"	"	"	"	"	"		
Chloroethane	ND	2.2	"	"	"	"	"	"		
Chloroform	ND	2.2	"	"	"	"	"	"		
Chloromethane	ND	2.2	"	"	"	"	"	"		
cis-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"		

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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
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Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-50 (2A12102-05) Soil Sampled: 01/21/11 08:30 Analyzed: 01/21/11 18:19									
cis-1,3-Dichloropropene	ND	2.2	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	2.2	"	"	"	"	"	"	
Dibromomethane	ND	2.2	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.2	"	"	"	"	"	"	
Ethylbenzene	ND	2.2	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.2	"	"	"	"	"	"	
Isopropylbenzene	ND	2.2	"	"	"	"	"	"	
Methylene Chloride	ND	2.2	"	"	"	"	"	"	
Naphthalene	ND	2.2	"	"	"	"	"	"	
n-Butylbenzene	ND	2.2	"	"	"	"	"	"	
n-Propylbenzene	ND	2.2	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.2	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.2	"	"	"	"	"	"	
Styrene	ND	2.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.2	"	"	"	"	"	"	
Tetrachloroethene	ND	2.2	"	"	"	"	"	"	
Toluene	ND	2.2	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.2	"	"	"	"	"	"	
Trichloroethene	ND	2.2	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.2	"	"	"	"	"	"	
Vinyl Chloride	ND	2.2	"	"	"	"	"	"	
Xylenes (total)	ND	6.6	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		97.8 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		103 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.4 %	75-125		"	"	"	"	

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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-60 (2A12102-06) Soil Sampled: 01/21/11 08:40 Analyzed: 01/21/11 18:45									
1,1,1,2-Tetrachloroethane	ND	1.8	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	2.0	1.8	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.8	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.8	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.8	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.8	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.8	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.8	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.8	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.8	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.8	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.8	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.8	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.8	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.8	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.8	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.8	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.8	"	"	"	"	"	"	
Benzene	ND	1.8	"	"	"	"	"	"	
Bromobenzene	ND	1.8	"	"	"	"	"	"	
Bromochloromethane	ND	1.8	"	"	"	"	"	"	
Bromodichloromethane	ND	1.8	"	"	"	"	"	"	
Bromoform	ND	1.8	"	"	"	"	"	"	
Bromomethane	ND	1.8	"	"	"	"	"	"	
Carbon disulfide	ND	1.8	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.8	"	"	"	"	"	"	
Chlorobenzene	ND	1.8	"	"	"	"	"	"	
Chloroethane	ND	1.8	"	"	"	"	"	"	
Chloroform	ND	1.8	"	"	"	"	"	"	
Chloromethane	ND	1.8	"	"	"	"	"	"	
cis-1,2-Dichloroethene	1.8	1.8	"	"	"	"	"	"	

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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-60 (2A12102-06) Soil Sampled: 01/21/11 08:40 Analyzed: 01/21/11 18:45									
cis-1,3-Dichloropropene	ND	1.8	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	1.8	"	"	"	"	"	"	
Dibromomethane	ND	1.8	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.8	"	"	"	"	"	"	
Ethylbenzene	ND	1.8	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.8	"	"	"	"	"	"	
Isopropylbenzene	ND	1.8	"	"	"	"	"	"	
Methylene Chloride	ND	1.8	"	"	"	"	"	"	
Naphthalene	ND	1.8	"	"	"	"	"	"	
n-Butylbenzene	ND	1.8	"	"	"	"	"	"	
n-Propylbenzene	ND	1.8	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.8	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.8	"	"	"	"	"	"	
Styrene	ND	1.8	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.8	"	"	"	"	"	"	
Tetrachloroethene	9.2	1.8	"	"	"	"	"	"	
Toluene	ND	1.8	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.8	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
Trichloroethene	ND	1.8	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.8	"	"	"	"	"	"	
Vinyl Chloride	ND	1.8	"	"	"	"	"	"	
Xylenes (total)	ND	5.4	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		94.2 %	75-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		103 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.1 %	75-125		"	"	"	"	

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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-70 (2A12102-07) Soil Sampled: 01/21/11 08:54 Analyzed: 01/21/11 19:12									
1,1,1,2-Tetrachloroethane	ND	1.8	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	1.8	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	1.8	1.8	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.8	"	"	"	"	"	"	
1,1-Dichloroethane	4.9	1.8	"	"	"	"	"	"	
1,1-Dichloroethene	19	1.8	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.8	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.8	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.8	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.8	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.8	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.8	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.8	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.8	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.8	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.8	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.8	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.8	"	"	"	"	"	"	
Benzene	ND	1.8	"	"	"	"	"	"	
Bromobenzene	ND	1.8	"	"	"	"	"	"	
Bromochloromethane	ND	1.8	"	"	"	"	"	"	
Bromodichloromethane	ND	1.8	"	"	"	"	"	"	
Bromoform	ND	1.8	"	"	"	"	"	"	
Bromomethane	ND	1.8	"	"	"	"	"	"	
Carbon disulfide	ND	1.8	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.8	"	"	"	"	"	"	
Chlorobenzene	ND	1.8	"	"	"	"	"	"	
Chloroethane	ND	1.8	"	"	"	"	"	"	
Chloroform	ND	1.8	"	"	"	"	"	"	
Chloromethane	ND	1.8	"	"	"	"	"	"	
cis-1,2-Dichloroethene	8.0	1.8	"	"	"	"	"	"	

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Environmental Support Technologies
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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-70 (2A12102-07) Soil Sampled: 01/21/11 08:54 Analyzed: 01/21/11 19:12									
cis-1,3-Dichloropropene	ND	1.8	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	1.8	"	"	"	"	"	"	
Dibromomethane	ND	1.8	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.8	"	"	"	"	"	"	
Ethylbenzene	ND	1.8	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.8	"	"	"	"	"	"	
Isopropylbenzene	ND	1.8	"	"	"	"	"	"	
Methylene Chloride	ND	1.8	"	"	"	"	"	"	
Naphthalene	ND	1.8	"	"	"	"	"	"	
n-Butylbenzene	ND	1.8	"	"	"	"	"	"	
n-Propylbenzene	ND	1.8	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.8	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.8	"	"	"	"	"	"	
Styrene	ND	1.8	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.8	"	"	"	"	"	"	
Tetrachloroethene	33	1.8	"	"	"	"	"	"	
Toluene	ND	1.8	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.8	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
Trichloroethene	6.9	1.8	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.8	"	"	"	"	"	"	
Vinyl Chloride	ND	1.8	"	"	"	"	"	"	
Xylenes (total)	ND	5.3	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		97.3 %	75-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		104 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.6 %	75-125		"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
CM-GW03-10 (2A12102-08) Soil Sampled: 01/21/11 08:19 Analyzed: 01/24/11 14:51										
1,1,1,2-Tetrachloroethane	ND	2.1	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B		
1,1,1-Trichloroethane	ND	2.1	"	"	"	"	"	"		
1,1,2,2-Tetrachloroethane	ND	2.1	"	"	"	"	"	"		
1,1,2-Trichloroethane	ND	2.1	"	"	"	"	"	"		
1,1,2-Trichloro-trifluoroethane	ND	2.1	"	"	"	"	"	"		
1,1-Dichloroethane	ND	2.1	"	"	"	"	"	"		
1,1-Dichloroethene	ND	2.1	"	"	"	"	"	"		
1,1-Dichloropropene	ND	2.1	"	"	"	"	"	"		
1,2,3-Trichlorobenzene	ND	2.1	"	"	"	"	"	"		
1,2,3-Trichloropropane	ND	2.1	"	"	"	"	"	"		
1,2,4-Trichlorobenzene	ND	2.1	"	"	"	"	"	"		
1,2,4-Trimethylbenzene	ND	2.1	"	"	"	"	"	"		
1,2-Dibromo-3-chloropropane	ND	2.1	"	"	"	"	"	"		
1,2-Dibromoethane	ND	2.1	"	"	"	"	"	"		
1,2-Dichlorobenzene	ND	2.1	"	"	"	"	"	"		
1,2-Dichloroethane	ND	2.1	"	"	"	"	"	"		
1,2-Dichloropropane	ND	2.1	"	"	"	"	"	"		
1,3,5-Trimethylbenzene	ND	2.1	"	"	"	"	"	"		
1,3-Dichlorobenzene	ND	2.1	"	"	"	"	"	"		
1,3-Dichloropropane	ND	2.1	"	"	"	"	"	"		
1,4-Dichlorobenzene	ND	2.1	"	"	"	"	"	"		
2,2-Dichloropropane	ND	2.1	"	"	"	"	"	"		
2-Chlorotoluene	ND	2.1	"	"	"	"	"	"		
4-Chlorotoluene	ND	2.1	"	"	"	"	"	"		
Benzene	ND	2.1	"	"	"	"	"	"		
Bromobenzene	ND	2.1	"	"	"	"	"	"		
Bromochloromethane	ND	2.1	"	"	"	"	"	"		
Bromodichloromethane	ND	2.1	"	"	"	"	"	"		
Bromoform	ND	2.1	"	"	"	"	"	"		
Bromomethane	ND	2.1	"	"	"	"	"	"		
Carbon disulfide	ND	2.1	"	"	"	"	"	"		
Carbon tetrachloride	ND	2.1	"	"	"	"	"	"		
Chlorobenzene	ND	2.1	"	"	"	"	"	"		
Chloroethane	ND	2.1	"	"	"	"	"	"		
Chloroform	ND	2.1	"	"	"	"	"	"		
Chloromethane	ND	2.1	"	"	"	"	"	"		
cis-1,2-Dichloroethene	ND	2.1	"	"	"	"	"	"		

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-10 (2A12102-08) Soil Sampled: 01/21/11 08:19 Analyzed: 01/24/11 14:51									
cis-1,3-Dichloropropene	ND	2.1	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
Dibromochloromethane	ND	2.1	"	"	"	"	"	"	
Dibromomethane	ND	2.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.1	"	"	"	"	"	"	
Ethylbenzene	ND	2.1	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.1	"	"	"	"	"	"	
Isopropylbenzene	ND	2.1	"	"	"	"	"	"	
Methylene Chloride	ND	2.1	"	"	"	"	"	"	
Naphthalene	ND	2.1	"	"	"	"	"	"	
n-Butylbenzene	ND	2.1	"	"	"	"	"	"	
n-Propylbenzene	ND	2.1	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.1	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.1	"	"	"	"	"	"	
Styrene	ND	2.1	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.1	"	"	"	"	"	"	
Tetrachloroethene	2.1	2.1	"	"	"	"	"	"	
Toluene	ND	2.1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.1	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.1	"	"	"	"	"	"	
Trichloroethene	ND	2.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.1	"	"	"	"	"	"	
Vinyl Chloride	ND	2.1	"	"	"	"	"	"	
Xylenes (total)	ND	6.2	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98.7 %	75-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		104 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.2 %	75-125		"	"	"	"	

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Environmental Support Technologies
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Irvine, California 92618

Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
CM-GW03-20 (2A12102-09) Soil Sampled: 01/21/11 08:27 Analyzed: 01/24/11 15:18										
1,1,1,2-Tetrachloroethane	ND	2.1	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B		
1,1,1-Trichloroethane	ND	2.1	"	"	"	"	"	"		
1,1,2,2-Tetrachloroethane	ND	2.1	"	"	"	"	"	"		
1,1,2-Trichloroethane	ND	2.1	"	"	"	"	"	"		
1,1,2-Trichloro-trifluoroethane	ND	2.1	"	"	"	"	"	"		
1,1-Dichloroethane	ND	2.1	"	"	"	"	"	"		
1,1-Dichloroethene	ND	2.1	"	"	"	"	"	"		
1,1-Dichloropropene	ND	2.1	"	"	"	"	"	"		
1,2,3-Trichlorobenzene	ND	2.1	"	"	"	"	"	"		
1,2,3-Trichloropropane	ND	2.1	"	"	"	"	"	"		
1,2,4-Trichlorobenzene	ND	2.1	"	"	"	"	"	"		
1,2,4-Trimethylbenzene	ND	2.1	"	"	"	"	"	"		
1,2-Dibromo-3-chloropropane	ND	2.1	"	"	"	"	"	"		
1,2-Dibromoethane	ND	2.1	"	"	"	"	"	"		
1,2-Dichlorobenzene	ND	2.1	"	"	"	"	"	"		
1,2-Dichloroethane	ND	2.1	"	"	"	"	"	"		
1,2-Dichloropropane	ND	2.1	"	"	"	"	"	"		
1,3,5-Trimethylbenzene	ND	2.1	"	"	"	"	"	"		
1,3-Dichlorobenzene	ND	2.1	"	"	"	"	"	"		
1,3-Dichloropropane	ND	2.1	"	"	"	"	"	"		
1,4-Dichlorobenzene	ND	2.1	"	"	"	"	"	"		
2,2-Dichloropropane	ND	2.1	"	"	"	"	"	"		
2-Chlorotoluene	ND	2.1	"	"	"	"	"	"		
4-Chlorotoluene	ND	2.1	"	"	"	"	"	"		
Benzene	ND	2.1	"	"	"	"	"	"		
Bromobenzene	ND	2.1	"	"	"	"	"	"		
Bromochloromethane	ND	2.1	"	"	"	"	"	"		
Bromodichloromethane	ND	2.1	"	"	"	"	"	"		
Bromoform	ND	2.1	"	"	"	"	"	"		
Bromomethane	ND	2.1	"	"	"	"	"	"		
Carbon disulfide	ND	2.1	"	"	"	"	"	"		
Carbon tetrachloride	ND	2.1	"	"	"	"	"	"		
Chlorobenzene	ND	2.1	"	"	"	"	"	"		
Chloroethane	ND	2.1	"	"	"	"	"	"		
Chloroform	ND	2.1	"	"	"	"	"	"		
Chloromethane	ND	2.1	"	"	"	"	"	"		
cis-1,2-Dichloroethene	ND	2.1	"	"	"	"	"	"		

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Environmental Support Technologies
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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-20 (2A12102-09) Soil Sampled: 01/21/11 08:27 Analyzed: 01/24/11 15:18									
cis-1,3-Dichloropropene	ND	2.1	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
Dibromochloromethane	ND	2.1	"	"	"	"	"	"	
Dibromomethane	ND	2.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.1	"	"	"	"	"	"	
Ethylbenzene	ND	2.1	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.1	"	"	"	"	"	"	
Isopropylbenzene	ND	2.1	"	"	"	"	"	"	
Methylene Chloride	ND	2.1	"	"	"	"	"	"	
Naphthalene	ND	2.1	"	"	"	"	"	"	
n-Butylbenzene	ND	2.1	"	"	"	"	"	"	
n-Propylbenzene	ND	2.1	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.1	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.1	"	"	"	"	"	"	
Styrene	ND	2.1	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.1	"	"	"	"	"	"	
Tetrachloroethene	2.6	2.1	"	"	"	"	"	"	
Toluene	ND	2.1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.1	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.1	"	"	"	"	"	"	
Trichloroethene	ND	2.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.1	"	"	"	"	"	"	
Vinyl Chloride	ND	2.1	"	"	"	"	"	"	
Xylenes (total)	ND	6.2	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		88.4 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		102 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.2 %	75-125		"	"	"	"	

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Environmental Support Technologies
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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-30 (2A12102-10) Soil Sampled: 01/21/11 08:36 Analyzed: 01/24/11 15:44									
1,1,1,2-Tetrachloroethane	ND	1.8	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
1,1,1-Trichloroethane	4.5	1.8	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.8	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.8	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.8	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.8	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.8	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.8	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.8	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.8	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.8	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.8	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.8	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.8	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.8	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.8	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.8	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.8	"	"	"	"	"	"	
Benzene	ND	1.8	"	"	"	"	"	"	
Bromobenzene	ND	1.8	"	"	"	"	"	"	
Bromochloromethane	ND	1.8	"	"	"	"	"	"	
Bromodichloromethane	ND	1.8	"	"	"	"	"	"	
Bromoform	ND	1.8	"	"	"	"	"	"	
Bromomethane	ND	1.8	"	"	"	"	"	"	
Carbon disulfide	ND	1.8	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.8	"	"	"	"	"	"	
Chlorobenzene	ND	1.8	"	"	"	"	"	"	
Chloroethane	ND	1.8	"	"	"	"	"	"	
Chloroform	ND	1.8	"	"	"	"	"	"	
Chloromethane	ND	1.8	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.8	"	"	"	"	"	"	

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Environmental Support Technologies
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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-30 (2A12102-10) Soil Sampled: 01/21/11 08:36 Analyzed: 01/24/11 15:44									
cis-1,3-Dichloropropene	ND	1.8	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
Dibromochloromethane	ND	1.8	"	"	"	"	"	"	
Dibromomethane	ND	1.8	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.8	"	"	"	"	"	"	
Ethylbenzene	ND	1.8	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.8	"	"	"	"	"	"	
Isopropylbenzene	ND	1.8	"	"	"	"	"	"	
Methylene Chloride	ND	1.8	"	"	"	"	"	"	
Naphthalene	ND	1.8	"	"	"	"	"	"	
n-Butylbenzene	ND	1.8	"	"	"	"	"	"	
n-Propylbenzene	ND	1.8	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.8	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.8	"	"	"	"	"	"	
Styrene	ND	1.8	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.8	"	"	"	"	"	"	
Tetrachloroethene	22	1.8	"	"	"	"	"	"	
Toluene	ND	1.8	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.8	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
Trichloroethene	2.6	1.8	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.8	"	"	"	"	"	"	
Vinyl Chloride	ND	1.8	"	"	"	"	"	"	
Xylenes (total)	ND	5.4	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		97.8 %	75-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		104 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.6 %	75-125		"	"	"	"	

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Environmental Support Technologies
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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-40 (2A12102-11) Soil Sampled: 01/21/11 08:50 Analyzed: 01/24/11 16:11									
1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.0	"	"	"	"	"	"	
Benzene	ND	2.0	"	"	"	"	"	"	
Bromobenzene	ND	2.0	"	"	"	"	"	"	
Bromochloromethane	ND	2.0	"	"	"	"	"	"	
Bromodichloromethane	ND	2.0	"	"	"	"	"	"	
Bromoform	ND	2.0	"	"	"	"	"	"	
Bromomethane	ND	2.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.0	"	"	"	"	"	"	
Chlorobenzene	ND	2.0	"	"	"	"	"	"	
Chloroethane	ND	2.0	"	"	"	"	"	"	
Chloroform	ND	2.0	"	"	"	"	"	"	
Chloromethane	ND	2.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-40 (2A12102-11) Soil Sampled: 01/21/11 08:50 Analyzed: 01/24/11 16:11									
cis-1,3-Dichloropropene	ND	2.0	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
Dibromochloromethane	ND	2.0	"	"	"	"	"	"	
Dibromomethane	ND	2.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.0	"	"	"	"	"	"	
Ethylbenzene	ND	2.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.0	"	"	"	"	"	"	
Isopropylbenzene	ND	2.0	"	"	"	"	"	"	
Methylene Chloride	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	2.0	"	"	"	"	"	"	
n-Butylbenzene	ND	2.0	"	"	"	"	"	"	
n-Propylbenzene	ND	2.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.0	"	"	"	"	"	"	
Styrene	ND	2.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.0	"	"	"	"	"	"	
Tetrachloroethene	3.7	2.0	"	"	"	"	"	"	
Toluene	ND	2.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.0	"	"	"	"	"	"	
Trichloroethene	ND	2.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.0	"	"	"	"	"	"	
Vinyl Chloride	ND	2.0	"	"	"	"	"	"	
Xylenes (total)	ND	6.1	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		<i>91.8 %</i>	<i>75-125</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>103 %</i>	<i>75-125</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>92.2 %</i>	<i>75-125</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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Environmental Support Technologies
360 Goddard
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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-50 (2A12102-12) Soil Sampled: 01/21/11 08:57 Analyzed: 01/24/11 16:40									
1,1,1,2-Tetrachloroethane	ND	1.9	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
1,1,1-Trichloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.9	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.9	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
Benzene	ND	1.9	"	"	"	"	"	"	
Bromobenzene	ND	1.9	"	"	"	"	"	"	
Bromochloromethane	ND	1.9	"	"	"	"	"	"	
Bromodichloromethane	ND	1.9	"	"	"	"	"	"	
Bromoform	ND	1.9	"	"	"	"	"	"	
Bromomethane	ND	1.9	"	"	"	"	"	"	
Carbon disulfide	ND	1.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.9	"	"	"	"	"	"	
Chlorobenzene	ND	1.9	"	"	"	"	"	"	
Chloroethane	ND	1.9	"	"	"	"	"	"	
Chloroform	ND	1.9	"	"	"	"	"	"	
Chloromethane	ND	1.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	

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Environmental Support Technologies
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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-50 (2A12102-12) Soil Sampled: 01/21/11 08:57 Analyzed: 01/24/11 16:40									
cis-1,3-Dichloropropene	ND	1.9	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
Dibromochloromethane	ND	1.9	"	"	"	"	"	"	
Dibromomethane	ND	1.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.9	"	"	"	"	"	"	
Ethylbenzene	ND	1.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.9	"	"	"	"	"	"	
Isopropylbenzene	ND	1.9	"	"	"	"	"	"	
Methylene Chloride	ND	1.9	"	"	"	"	"	"	
Naphthalene	ND	1.9	"	"	"	"	"	"	
n-Butylbenzene	ND	1.9	"	"	"	"	"	"	
n-Propylbenzene	ND	1.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Styrene	ND	1.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Tetrachloroethene	2.7	1.9	"	"	"	"	"	"	
Toluene	ND	1.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.9	"	"	"	"	"	"	
Trichloroethene	ND	1.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.9	"	"	"	"	"	"	
Vinyl Chloride	ND	1.9	"	"	"	"	"	"	
Xylenes (total)	ND	5.7	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		76.0 %	75-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.2 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.5 %	75-125		"	"	"	"	

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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-60 (2A12102-13) Soil Sampled: 01/21/11 09:09 Analyzed: 01/24/11 17:08									
1,1,1,2-Tetrachloroethane	ND	2.2	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.2	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.2	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.2	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.2	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.2	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.2	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.2	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.2	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.2	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.2	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.2	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.2	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.2	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.2	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.2	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.2	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.2	"	"	"	"	"	"	
Benzene	ND	2.2	"	"	"	"	"	"	
Bromobenzene	ND	2.2	"	"	"	"	"	"	
Bromochloromethane	ND	2.2	"	"	"	"	"	"	
Bromodichloromethane	ND	2.2	"	"	"	"	"	"	
Bromoform	ND	2.2	"	"	"	"	"	"	
Bromomethane	ND	2.2	"	"	"	"	"	"	
Carbon disulfide	ND	2.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.2	"	"	"	"	"	"	
Chlorobenzene	ND	2.2	"	"	"	"	"	"	
Chloroethane	ND	2.2	"	"	"	"	"	"	
Chloroform	ND	2.2	"	"	"	"	"	"	
Chloromethane	ND	2.2	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"	

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Environmental Support Technologies
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Irvine, California 92618

Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-60 (2A12102-13) Soil Sampled: 01/21/11 09:09 Analyzed: 01/24/11 17:08									
cis-1,3-Dichloropropene	ND	2.2	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
Dibromochloromethane	ND	2.2	"	"	"	"	"	"	
Dibromomethane	ND	2.2	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.2	"	"	"	"	"	"	
Ethylbenzene	ND	2.2	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.2	"	"	"	"	"	"	
Isopropylbenzene	ND	2.2	"	"	"	"	"	"	
Methylene Chloride	ND	2.2	"	"	"	"	"	"	
Naphthalene	ND	2.2	"	"	"	"	"	"	
n-Butylbenzene	ND	2.2	"	"	"	"	"	"	
n-Propylbenzene	ND	2.2	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.2	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.2	"	"	"	"	"	"	
Styrene	ND	2.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.2	"	"	"	"	"	"	
Tetrachloroethene	ND	2.2	"	"	"	"	"	"	
Toluene	ND	2.2	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.2	"	"	"	"	"	"	
Trichloroethene	ND	2.2	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.2	"	"	"	"	"	"	
Vinyl Chloride	ND	2.2	"	"	"	"	"	"	
Xylenes (total)	ND	6.6	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		97.8 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		102 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.7 %	75-125		"	"	"	"	

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Environmental Support Technologies
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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-70 (2A12102-14) Soil Sampled: 01/21/11 09:20 Analyzed: 01/24/11 17:35									
1,1,1,2-Tetrachloroethane	ND	2.3	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.3	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.3	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.3	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.3	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.3	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.3	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.3	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.3	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.3	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.3	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.3	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.3	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.3	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.3	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.3	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.3	"	"	"	"	"	"	
Benzene	ND	2.3	"	"	"	"	"	"	
Bromobenzene	ND	2.3	"	"	"	"	"	"	
Bromochloromethane	ND	2.3	"	"	"	"	"	"	
Bromodichloromethane	ND	2.3	"	"	"	"	"	"	
Bromoform	ND	2.3	"	"	"	"	"	"	
Bromomethane	ND	2.3	"	"	"	"	"	"	
Carbon disulfide	ND	2.3	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.3	"	"	"	"	"	"	
Chlorobenzene	ND	2.3	"	"	"	"	"	"	
Chloroethane	ND	2.3	"	"	"	"	"	"	
Chloroform	ND	2.3	"	"	"	"	"	"	
Chloromethane	ND	2.3	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.3	"	"	"	"	"	"	

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Environmental Support Technologies
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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-70 (2A12102-14) Soil Sampled: 01/21/11 09:20 Analyzed: 01/24/11 17:35									
cis-1,3-Dichloropropene	ND	2.3	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
Dibromochloromethane	ND	2.3	"	"	"	"	"	"	
Dibromomethane	ND	2.3	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.3	"	"	"	"	"	"	
Ethylbenzene	ND	2.3	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.3	"	"	"	"	"	"	
Isopropylbenzene	ND	2.3	"	"	"	"	"	"	
Methylene Chloride	ND	2.3	"	"	"	"	"	"	
Naphthalene	ND	2.3	"	"	"	"	"	"	
n-Butylbenzene	ND	2.3	"	"	"	"	"	"	
n-Propylbenzene	ND	2.3	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.3	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.3	"	"	"	"	"	"	
Styrene	ND	2.3	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.3	"	"	"	"	"	"	
Tetrachloroethene	5.3	2.3	"	"	"	"	"	"	
Toluene	ND	2.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.3	"	"	"	"	"	"	
Trichloroethene	ND	2.3	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.3	"	"	"	"	"	"	
Vinyl Chloride	ND	2.3	"	"	"	"	"	"	
Xylenes (total)	ND	6.9	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		91.0 %	75-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.5 %	75-125		"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-80 (2A12102-15) Soil Sampled: 01/21/11 09:30 Analyzed: 01/24/11 18:03									
1,1,1,2-Tetrachloroethane	ND	1.9	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
1,1,1-Trichloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethene	1.9	1.9	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.9	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
Benzene	ND	1.9	"	"	"	"	"	"	
Bromobenzene	ND	1.9	"	"	"	"	"	"	
Bromochloromethane	ND	1.9	"	"	"	"	"	"	
Bromodichloromethane	ND	1.9	"	"	"	"	"	"	
Bromoform	ND	1.9	"	"	"	"	"	"	
Bromomethane	ND	1.9	"	"	"	"	"	"	
Carbon disulfide	ND	1.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.9	"	"	"	"	"	"	
Chlorobenzene	ND	1.9	"	"	"	"	"	"	
Chloroethane	ND	1.9	"	"	"	"	"	"	
Chloroform	ND	1.9	"	"	"	"	"	"	
Chloromethane	ND	1.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	

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Environmental Support Technologies
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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-80 (2A12102-15) Soil Sampled: 01/21/11 09:30 Analyzed: 01/24/11 18:03									
cis-1,3-Dichloropropene	ND	1.9	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
Dibromochloromethane	ND	1.9	"	"	"	"	"	"	
Dibromomethane	ND	1.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.9	"	"	"	"	"	"	
Ethylbenzene	ND	1.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.9	"	"	"	"	"	"	
Isopropylbenzene	ND	1.9	"	"	"	"	"	"	
Methylene Chloride	ND	1.9	"	"	"	"	"	"	
Naphthalene	ND	1.9	"	"	"	"	"	"	
n-Butylbenzene	ND	1.9	"	"	"	"	"	"	
n-Propylbenzene	ND	1.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Styrene	ND	1.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Tetrachloroethene	7.6	1.9	"	"	"	"	"	"	
Toluene	ND	1.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.9	"	"	"	"	"	"	
Trichloroethene	ND	1.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.9	"	"	"	"	"	"	
Vinyl Chloride	ND	1.9	"	"	"	"	"	"	
Xylenes (total)	ND	5.6	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		102 %	75-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		104 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.9 %	75-125		"	"	"	"	

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Environmental Support Technologies
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Irvine, California 92618

Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2101 - Volatiles										
Blank (21A2101-BLK1)				Prepared & Analyzed: 01/21/11						
1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg							
1,1,1-Trichloroethane	ND	2.0	"							
1,1,2,2-Tetrachloroethane	ND	2.0	"							
1,1,2-Trichloroethane	ND	2.0	"							
1,1,2-Trichloro-trifluoroethane	ND	2.0	"							
1,1-Dichloroethane	ND	2.0	"							
1,1-Dichloroethene	ND	2.0	"							
1,1-Dichloropropene	ND	2.0	"							
1,2,3-Trichlorobenzene	ND	2.0	"							
1,2,3-Trichloropropane	ND	2.0	"							
1,2,4-Trichlorobenzene	ND	2.0	"							
1,2,4-Trimethylbenzene	ND	2.0	"							
1,2-Dibromo-3-chloropropane	ND	2.0	"							
1,2-Dibromoethane	ND	2.0	"							
1,2-Dichlorobenzene	ND	2.0	"							
1,2-Dichloroethane	ND	2.0	"							
1,2-Dichloropropane	ND	2.0	"							
1,3,5-Trimethylbenzene	ND	2.0	"							
1,3-Dichlorobenzene	ND	2.0	"							
1,3-Dichloropropane	ND	2.0	"							
1,4-Dichlorobenzene	ND	2.0	"							
2,2-Dichloropropane	ND	2.0	"							
2-Chlorotoluene	ND	2.0	"							
4-Chlorotoluene	ND	2.0	"							
Benzene	ND	2.0	"							
Bromobenzene	ND	2.0	"							
Bromochloromethane	ND	2.0	"							
Bromodichloromethane	ND	2.0	"							
Bromoform	ND	2.0	"							
Bromomethane	ND	2.0	"							
Carbon disulfide	ND	2.0	"							
Carbon tetrachloride	ND	2.0	"							
Chlorobenzene	ND	2.0	"							

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Irvine, California 92618

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Project Number: EST2736
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Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 21A2101 - Volatiles

Blank (21A2101-BLK1)

Prepared & Analyzed: 01/21/11

Chloroethane	ND	2.0	ug/kg							
Chloroform	ND	2.0	"							
Chloromethane	ND	2.0	"							
cis-1,2-Dichloroethene	ND	2.0	"							
cis-1,3-Dichloropropene	ND	2.0	"							
Dibromochloromethane	ND	2.0	"							
Dibromomethane	ND	2.0	"							
Dichlorodifluoromethane	ND	2.0	"							
Ethylbenzene	ND	2.0	"							
Hexachlorobutadiene	ND	2.0	"							
Isopropylbenzene	ND	2.0	"							
Methylene Chloride	ND	2.0	"							
Naphthalene	ND	2.0	"							
n-Butylbenzene	ND	2.0	"							
n-Propylbenzene	ND	2.0	"							
p-Isopropyltoluene	ND	2.0	"							
sec-Butylbenzene	ND	2.0	"							
Styrene	ND	2.0	"							
tert-Butylbenzene	ND	2.0	"							
Tetrachloroethene	ND	2.0	"							
Toluene	ND	2.0	"							
trans-1,2-Dichloroethene	ND	2.0	"							
trans-1,3-Dichloropropene	ND	2.0	"							
Trichloroethene	ND	2.0	"							
Trichlorofluoromethane	ND	2.0	"							
Vinyl Chloride	ND	2.0	"							
Xylenes (total)	ND	6.0	"							
Surrogate: Dibromofluoromethane	43.2		"	50.0		86.4	75-125			
Surrogate: Toluene-d8	50.4		"	50.0		101	75-125			
Surrogate: 4-Bromofluorobenzene	43.9		"	50.0		87.8	75-125			

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Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 21A2101 - Volatiles

LCS (21A2101-BS1)

Prepared & Analyzed: 01/21/11

1,1,1,2-Tetrachloroethane	50.1	2.0	ug/kg	50.0		100	74-129			
1,1,1-Trichloroethane	48.2	2.0	"	50.0		96.5	81-124			
1,1,2,2-Tetrachloroethane	55.9	2.0	"	50.0		112	61-125			
1,1,2-Trichloroethane	43.2	2.0	"	50.0		86.4	77-118			
1,1,2-Trichloro-trifluoroethane	38.3	2.0	"	50.0		76.5	85-115			QL-H1
1,1-Dichloroethane	47.6	2.0	"	50.0		95.3	83-117			
1,1-Dichloroethene	44.9	2.0	"	50.0		89.7	85-116			
1,1-Dichloropropene	41.1	2.0	"	50.0		82.2	80-116			
1,2,3-Trichlorobenzene	45.3	2.0	"	50.0		90.6	85-118			
1,2,3-Trichloropropane	44.9	2.0	"	50.0		89.8	64-122			
1,2,4-Trichlorobenzene	45.3	2.0	"	50.0		90.6	85-115			
1,2,4-Trimethylbenzene	65.9	2.0	"	50.0		132	85-115			QL-H
1,2-Dibromo-3-chloropropane	40.8	2.0	"	50.0		81.6	36-148			
1,2-Dibromoethane	66.9	2.0	"	50.0		134	85-115			QL-H
1,2-Dichlorobenzene	64.7	2.0	"	50.0		129	85-115			QL-H
1,2-Dichloroethane	40.7	2.0	"	50.0		81.4	82-118			QL-H
1,2-Dichloropropane	49.5	2.0	"	50.0		99.0	85-115			
1,3,5-Trimethylbenzene	70.1	2.0	"	50.0		140	85-115			QL-H
1,3-Dichlorobenzene	69.4	2.0	"	50.0		139	85-115			QL-H
1,3-Dichloropropane	46.5	2.0	"	50.0		93.0	83-116			
1,4-Dichlorobenzene	64.1	2.0	"	50.0		128	85-115			QL-H
2,2-Dichloropropane	41.6	2.0	"	50.0		83.2	71-144			
2-Chlorotoluene	48.0	2.0	"	50.0		96.0	85-115			
4-Chlorotoluene	72.3	2.0	"	50.0		145	85-115			QL-H
Benzene	44.6	2.0	"	50.0		89.2	85-115			
Bromobenzene	58.1	2.0	"	50.0		116	85-115			QL-H
Bromochloromethane	53.6	2.0	"	50.0		107	81-117			
Bromodichloromethane	50.1	2.0	"	50.0		100	80-121			
Bromoform	50.7	2.0	"	50.0		101	53-145			
Bromomethane	42.9	2.0	"	50.0		85.8	75-123			
Carbon disulfide	43.7	2.0	"	50.0		87.4	78-125			
Carbon tetrachloride	49.4	2.0	"	50.0		98.8	83-125			
Chlorobenzene	46.0	2.0	"	50.0		91.9	85-115			

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Environmental Support Technologies
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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 21A2101 - Volatiles

LCS (21A2101-BS1)

Prepared & Analyzed: 01/21/11

Chloroethane	54.9	2.0	ug/kg	50.0		110	63-145			
Chloroform	47.3	2.0	"	50.0		94.6	82-120			
Chloromethane	56.7	2.0	"	50.0		113	71-128			
cis-1,2-Dichloroethene	47.8	2.0	"	50.0		95.5	81-122			
cis-1,3-Dichloropropene	53.6	2.0	"	50.0		107	85-116			
Dibromochloromethane	50.0	2.0	"	50.0		100	76-116			
Dibromomethane	43.3	2.0	"	50.0		86.6	83-117			
Dichlorodifluoromethane	43.2	2.0	"	50.0		86.5	75-118			
Ethylbenzene	44.5	2.0	"	50.0		89.0	83-115			
Hexachlorobutadiene	76.5	2.0	"	50.0		153	84-131			QL-H
Isopropylbenzene	49.0	2.0	"	50.0		98.0	85-115			
Methylene Chloride	52.1	2.0	"	50.0		104	85-119			
Naphthalene	58.4	2.0	"	50.0		117	58-121			
n-Butylbenzene	35.2	2.0	"	50.0		70.3	85-117			QL-H
n-Propylbenzene	41.9	2.0	"	50.0		83.8	85-115			QL-H
p-Isopropyltoluene	63.9	2.0	"	50.0		128	85-115			QL-H
sec-Butylbenzene	69.3	2.0	"	50.0		139	85-115			QL-H
Styrene	54.6	2.0	"	50.0		109	85-115			
tert-Butylbenzene	68.9	2.0	"	50.0		138	85-115			QL-H
Tetrachloroethene	47.0	2.0	"	50.0		94.0	70-139			
Toluene	46.3	2.0	"	50.0		92.7	77-115			
trans-1,2-Dichloroethene	48.7	2.0	"	50.0		97.4	85-115			
trans-1,3-Dichloropropene	51.6	2.0	"	50.0		103	77-121			
Trichloroethene	47.2	2.0	"	50.0		94.4	79-123			
Trichlorofluoromethane	57.7	2.0	"	50.0		115	63-151			
Vinyl Chloride	50.6	2.0	"	50.0		101	85-116			
Xylenes (total)	124	6.0	"	150		82.9	79-115			
Surrogate: Dibromofluoromethane	47.2		"	50.0		94.4	75-125			
Surrogate: Toluene-d8	55.8		"	50.0		112	75-125			
Surrogate: 4-Bromofluorobenzene	40.3		"	50.0		80.6	75-125			

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27-Jan-11 11:43

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2101 - Volatiles										
LCS Dup (21A2101-BSD1)				Prepared & Analyzed: 01/21/11						
1,1,1,2-Tetrachloroethane	52.1	2.0	ug/kg	50.0		104	74-129	3.88	20	
1,1,1-Trichloroethane	47.1	2.0	"	50.0		94.2	81-124	2.43	20	
1,1,2,2-Tetrachloroethane	63.0	2.0	"	50.0		126	61-125	12.0	20	QL-H
1,1,2-Trichloroethane	51.1	2.0	"	50.0		102	77-118	16.8	20	
1,1,2-Trichloro-trifluoroethane	49.6	2.0	"	50.0		99.2	85-115	25.8	20	QR-04
1,1-Dichloroethane	47.6	2.0	"	50.0		95.2	83-117	0.0420	20	
1,1-Dichloroethene	46.9	2.0	"	50.0		93.9	85-116	4.53	20	
1,1-Dichloropropene	43.8	2.0	"	50.0		87.5	80-116	6.22	20	
1,2,3-Trichlorobenzene	46.7	2.0	"	50.0		93.4	85-118	3.09	20	
1,2,3-Trichloropropane	50.8	2.0	"	50.0		102	64-122	12.4	20	
1,2,4-Trichlorobenzene	46.7	2.0	"	50.0		93.4	85-115	3.09	20	
1,2,4-Trimethylbenzene	68.4	2.0	"	50.0		137	85-115	3.81	20	QL-H
1,2-Dibromo-3-chloropropane	50.6	2.0	"	50.0		101	36-148	21.6	20	QL-H
1,2-Dibromoethane	73.2	2.0	"	50.0		146	85-115	9.08	20	QL-H
1,2-Dichlorobenzene	65.4	2.0	"	50.0		131	85-115	1.17	20	QL-H
1,2-Dichloroethane	42.8	2.0	"	50.0		85.6	82-118	4.98	20	
1,2-Dichloropropane	49.7	2.0	"	50.0		99.4	85-115	0.363	20	
1,3,5-Trimethylbenzene	72.8	2.0	"	50.0		146	85-115	3.81	20	QL-H
1,3-Dichlorobenzene	68.2	2.0	"	50.0		136	85-115	1.69	20	QL-H
1,3-Dichloropropane	51.4	2.0	"	50.0		103	83-116	10.1	20	
1,4-Dichlorobenzene	65.2	2.0	"	50.0		130	85-115	1.64	20	QL-H
2,2-Dichloropropane	45.8	2.0	"	50.0		91.7	71-144	9.65	20	
2-Chlorotoluene	48.4	2.0	"	50.0		96.7	85-115	0.706	20	
4-Chlorotoluene	71.4	2.0	"	50.0		143	85-115	1.28	20	QL-H
Benzene	42.7	2.0	"	50.0		85.4	85-115	4.35	20	
Bromobenzene	57.8	2.0	"	50.0		116	85-115	0.518	20	QL-H
Bromochloromethane	55.3	2.0	"	50.0		111	81-117	3.12	20	
Bromodichloromethane	48.4	2.0	"	50.0		96.7	80-121	3.61	20	
Bromoform	58.5	2.0	"	50.0		117	53-145	14.2	20	
Bromomethane	43.8	2.0	"	50.0		87.5	75-123	2.03	20	
Carbon disulfide	44.9	2.0	"	50.0		89.8	78-125	2.71	20	
Carbon tetrachloride	53.4	2.0	"	50.0		107	83-125	7.90	20	
Chlorobenzene	46.1	2.0	"	50.0		92.3	85-115	0.391	20	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 21A2101 - Volatiles

LCS Dup (21A2101-BSD1)

Prepared & Analyzed: 01/21/11

Chloroethane	52.7	2.0	ug/kg	50.0		105	63-145	4.09	20	
Chloroform	47.7	2.0	"	50.0		95.3	82-120	0.758	20	
Chloromethane	48.7	2.0	"	50.0		97.4	71-128	15.3	20	
cis-1,2-Dichloroethene	49.9	2.0	"	50.0		99.8	81-122	4.42	20	
cis-1,3-Dichloropropene	52.5	2.0	"	50.0		105	85-116	2.04	20	
Dibromochloromethane	55.8	2.0	"	50.0		112	76-116	10.9	20	
Dibromomethane	49.6	2.0	"	50.0		99.1	83-117	13.4	20	
Dichlorodifluoromethane	41.3	2.0	"	50.0		82.6	75-118	4.54	20	
Ethylbenzene	44.9	2.0	"	50.0		89.7	83-115	0.806	20	
Hexachlorobutadiene	78.5	2.0	"	50.0		157	84-131	2.56	20	QL-H
Isopropylbenzene	48.7	2.0	"	50.0		97.5	85-115	0.573	20	
Methylene Chloride	50.4	2.0	"	50.0		101	85-119	3.32	20	
Naphthalene	66.5	2.0	"	50.0		133	58-121	12.9	20	QL-H
n-Butylbenzene	36.6	2.0	"	50.0		73.1	85-117	3.90	20	QL-H
n-Propylbenzene	42.6	2.0	"	50.0		85.2	85-115	1.70	20	
p-Isopropyltoluene	66.5	2.0	"	50.0		133	85-115	3.90	20	QL-H
sec-Butylbenzene	70.8	2.0	"	50.0		142	85-115	2.14	20	QL-H
Styrene	54.7	2.0	"	50.0		109	85-115	0.293	20	
tert-Butylbenzene	72.5	2.0	"	50.0		145	85-115	4.98	20	QL-H
Tetrachloroethene	50.2	2.0	"	50.0		100	70-139	6.55	20	
Toluene	46.5	2.0	"	50.0		92.9	77-115	0.259	20	
trans-1,2-Dichloroethene	48.8	2.0	"	50.0		97.7	85-115	0.328	20	
trans-1,3-Dichloropropene	53.8	2.0	"	50.0		108	77-121	4.17	20	
Trichloroethene	46.0	2.0	"	50.0		92.0	79-123	2.58	20	
Trichlorofluoromethane	59.1	2.0	"	50.0		118	63-151	2.43	20	
Vinyl Chloride	47.8	2.0	"	50.0		95.7	85-116	5.57	20	
Xylenes (total)	124	6.0	"	150		82.7	79-115	0.209	20	
Surrogate: Dibromofluoromethane	48.1		"	50.0		96.2	75-125			
Surrogate: Toluene-d8	55.4		"	50.0		111	75-125			
Surrogate: 4-Bromofluorobenzene	40.8		"	50.0		81.6	75-125			

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Environmental Support Technologies
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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 21A2501 - Volatiles

Blank (21A2501-BLK1)

Prepared & Analyzed: 01/24/11

1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg
1,1,1-Trichloroethane	ND	2.0	"
1,1,2,2-Tetrachloroethane	ND	2.0	"
1,1,2-Trichloroethane	ND	2.0	"
1,1,2-Trichloro-trifluoroethane	ND	2.0	"
1,1-Dichloroethane	ND	2.0	"
1,1-Dichloroethene	ND	2.0	"
1,1-Dichloropropene	ND	2.0	"
1,2,3-Trichlorobenzene	ND	2.0	"
1,2,3-Trichloropropane	ND	2.0	"
1,2,4-Trichlorobenzene	ND	2.0	"
1,2,4-Trimethylbenzene	ND	2.0	"
1,2-Dibromo-3-chloropropane	ND	2.0	"
1,2-Dibromoethane	ND	2.0	"
1,2-Dichlorobenzene	ND	2.0	"
1,2-Dichloroethane	ND	2.0	"
1,2-Dichloropropane	ND	2.0	"
1,3,5-Trimethylbenzene	ND	2.0	"
1,3-Dichlorobenzene	ND	2.0	"
1,3-Dichloropropane	ND	2.0	"
1,4-Dichlorobenzene	ND	2.0	"
2,2-Dichloropropane	ND	2.0	"
2-Chlorotoluene	ND	2.0	"
4-Chlorotoluene	ND	2.0	"
Benzene	ND	2.0	"
Bromobenzene	ND	2.0	"
Bromochloromethane	ND	2.0	"
Bromodichloromethane	ND	2.0	"
Bromoform	ND	2.0	"
Bromomethane	ND	2.0	"
Carbon disulfide	ND	2.0	"
Carbon tetrachloride	ND	2.0	"
Chlorobenzene	ND	2.0	"

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Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 21A2501 - Volatiles

Blank (21A2501-BLK1)

Prepared & Analyzed: 01/24/11

Chloroethane	ND	2.0	ug/kg							
Chloroform	ND	2.0	"							
Chloromethane	ND	2.0	"							
cis-1,2-Dichloroethene	ND	2.0	"							
cis-1,3-Dichloropropene	ND	2.0	"							
Dibromochloromethane	ND	2.0	"							
Dibromomethane	ND	2.0	"							
Dichlorodifluoromethane	ND	2.0	"							
Ethylbenzene	ND	2.0	"							
Hexachlorobutadiene	ND	2.0	"							
Isopropylbenzene	ND	2.0	"							
Methylene Chloride	ND	2.0	"							
Naphthalene	ND	2.0	"							
n-Butylbenzene	ND	2.0	"							
n-Propylbenzene	ND	2.0	"							
p-Isopropyltoluene	ND	2.0	"							
sec-Butylbenzene	ND	2.0	"							
Styrene	ND	2.0	"							
tert-Butylbenzene	ND	2.0	"							
Tetrachloroethene	ND	2.0	"							
Toluene	ND	2.0	"							
trans-1,2-Dichloroethene	ND	2.0	"							
trans-1,3-Dichloropropene	ND	2.0	"							
Trichloroethene	ND	2.0	"							
Trichlorofluoromethane	ND	2.0	"							
Vinyl Chloride	ND	2.0	"							
Xylenes (total)	ND	6.0	"							
Surrogate: Dibromofluoromethane	43.8		"	50.0		87.7	75-125			
Surrogate: Toluene-d8	52.8		"	50.0		106	75-125			
Surrogate: 4-Bromofluorobenzene	46.4		"	50.0		92.7	75-125			

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27-Jan-11 11:43

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 21A2501 - Volatiles

LCS (21A2501-BS1)

Prepared & Analyzed: 01/24/11

1,1,1,2-Tetrachloroethane	51.0	2.0	ug/kg	50.0		102	74-129			
1,1,1-Trichloroethane	47.1	2.0	"	50.0		94.1	81-124			
1,1,2,2-Tetrachloroethane	62.7	2.0	"	50.0		125	61-125			
1,1,2-Trichloroethane	48.8	2.0	"	50.0		97.7	77-118			
1,1,2-Trichloro-trifluoroethane	49.8	2.0	"	50.0		99.6	85-115			
1,1-Dichloroethane	45.5	2.0	"	50.0		91.0	83-117			
1,1-Dichloroethene	46.7	2.0	"	50.0		93.4	85-116			
1,1-Dichloropropene	45.8	2.0	"	50.0		91.7	80-116			
1,2,3-Trichlorobenzene	48.2	2.0	"	50.0		96.4	85-118			
1,2,3-Trichloropropane	58.2	2.0	"	50.0		116	64-122			
1,2,4-Trichlorobenzene	48.2	2.0	"	50.0		96.4	85-115			
1,2,4-Trimethylbenzene	67.6	2.0	"	50.0		135	85-115			QL-H
1,2-Dibromo-3-chloropropane	66.0	2.0	"	50.0		132	36-148			
1,2-Dibromoethane	85.7	2.0	"	50.0		171	85-115			QL-H
1,2-Dichlorobenzene	65.3	2.0	"	50.0		131	85-115			QL-H
1,2-Dichloroethane	46.6	2.0	"	50.0		93.3	82-118			
1,2-Dichloropropane	53.5	2.0	"	50.0		107	85-115			
1,3,5-Trimethylbenzene	70.6	2.0	"	50.0		141	85-115			QL-H
1,3-Dichlorobenzene	67.8	2.0	"	50.0		136	85-115			QL-H
1,3-Dichloropropane	51.6	2.0	"	50.0		103	83-116			
1,4-Dichlorobenzene	64.5	2.0	"	50.0		129	85-115			QL-H
2,2-Dichloropropane	42.3	2.0	"	50.0		84.5	71-144			
2-Chlorotoluene	47.0	2.0	"	50.0		94.0	85-115			
4-Chlorotoluene	70.1	2.0	"	50.0		140	85-115			QL-H
Benzene	45.4	2.0	"	50.0		90.9	85-115			
Bromobenzene	56.0	2.0	"	50.0		112	85-115			
Bromochloromethane	53.1	2.0	"	50.0		106	81-117			
Bromodichloromethane	51.4	2.0	"	50.0		103	80-121			
Bromoform	61.0	2.0	"	50.0		122	53-145			
Bromomethane	36.6	2.0	"	50.0		73.1	75-123			QL-H1
Carbon disulfide	45.8	2.0	"	50.0		91.5	78-125			
Carbon tetrachloride	51.8	2.0	"	50.0		104	83-125			
Chlorobenzene	45.8	2.0	"	50.0		91.6	85-115			

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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 21A2501 - Volatiles

LCS (21A2501-BS1)

Prepared & Analyzed: 01/24/11

Chloroethane	57.0	2.0	ug/kg	50.0		114	63-145			
Chloroform	48.0	2.0	"	50.0		96.0	82-120			
Chloromethane	65.4	2.0	"	50.0		131	71-128			QL-H
cis-1,2-Dichloroethene	48.2	2.0	"	50.0		96.4	81-122			
cis-1,3-Dichloropropene	59.0	2.0	"	50.0		118	85-116			QL-H
Dibromochloromethane	54.1	2.0	"	50.0		108	76-116			
Dibromomethane	51.5	2.0	"	50.0		103	83-117			
Dichlorodifluoromethane	46.4	2.0	"	50.0		92.8	75-118			
Ethylbenzene	45.4	2.0	"	50.0		90.9	83-115			
Hexachlorobutadiene	78.1	2.0	"	50.0		156	84-131			QL-H
Isopropylbenzene	51.1	2.0	"	50.0		102	85-115			
Methylene Chloride	54.8	2.0	"	50.0		110	85-119			
Naphthalene	68.5	2.0	"	50.0		137	58-121			QL-H
n-Butylbenzene	37.1	2.0	"	50.0		74.3	85-117			QL-H1
n-Propylbenzene	42.8	2.0	"	50.0		85.7	85-115			
p-Isopropyltoluene	67.8	2.0	"	50.0		136	85-115			QL-H
sec-Butylbenzene	71.6	2.0	"	50.0		143	85-115			QL-H
Styrene	55.5	2.0	"	50.0		111	85-115			
tert-Butylbenzene	70.0	2.0	"	50.0		140	85-115			QL-H
Tetrachloroethene	49.3	2.0	"	50.0		98.6	70-139			
Toluene	45.6	2.0	"	50.0		91.2	77-115			
trans-1,2-Dichloroethene	47.8	2.0	"	50.0		95.6	85-115			
trans-1,3-Dichloropropene	55.2	2.0	"	50.0		110	77-121			
Trichloroethene	49.8	2.0	"	50.0		99.6	79-123			
Trichlorofluoromethane	20.3	2.0	"	50.0		40.7	63-151			QL-H1
Vinyl Chloride	52.2	2.0	"	50.0		104	85-116			
Xylenes (total)	126	6.0	"	150		83.9	79-115			
Surrogate: Dibromofluoromethane	46.0		"	50.0		92.0	75-125			
Surrogate: Toluene-d8	53.3		"	50.0		107	75-125			
Surrogate: 4-Bromofluorobenzene	42.0		"	50.0		84.1	75-125			

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Environmental Support Technologies
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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 21A2501 - Volatiles

LCS Dup (21A2501-BSD1)

Prepared & Analyzed: 01/24/11

1,1,1,2-Tetrachloroethane	51.3	2.0	ug/kg	50.0		103	74-129	0.587	20	
1,1,1-Trichloroethane	46.0	2.0	"	50.0		92.1	81-124	2.19	20	
1,1,2,2-Tetrachloroethane	62.0	2.0	"	50.0		124	61-125	1.06	20	
1,1,2-Trichloroethane	44.5	2.0	"	50.0		89.0	77-118	9.30	20	
1,1,2-Trichloro-trifluoroethane	49.3	2.0	"	50.0		98.6	85-115	0.969	20	
1,1-Dichloroethane	47.6	2.0	"	50.0		95.2	83-117	4.56	20	
1,1-Dichloroethene	48.1	2.0	"	50.0		96.2	85-116	3.00	20	
1,1-Dichloropropene	48.6	2.0	"	50.0		97.1	80-116	5.76	20	
1,2,3-Trichlorobenzene	47.6	2.0	"	50.0		95.2	85-118	1.34	20	
1,2,3-Trichloropropane	52.1	2.0	"	50.0		104	64-122	11.1	20	
1,2,4-Trichlorobenzene	47.6	2.0	"	50.0		95.2	85-115	1.34	20	
1,2,4-Trimethylbenzene	78.0	2.0	"	50.0		156	85-115	14.3	20	QL-H
1,2-Dibromo-3-chloropropane	66.8	2.0	"	50.0		134	36-148	1.14	20	
1,2-Dibromoethane	80.0	2.0	"	50.0		160	85-115	6.85	20	QL-H
1,2-Dichlorobenzene	64.0	2.0	"	50.0		128	85-115	2.07	20	QL-H
1,2-Dichloroethane	39.8	2.0	"	50.0		79.6	82-118	15.8	20	QL-H1
1,2-Dichloropropane	44.9	2.0	"	50.0		89.8	85-115	17.4	20	
1,3,5-Trimethylbenzene	83.5	2.0	"	50.0		167	85-115	16.8	20	QL-H
1,3-Dichlorobenzene	69.4	2.0	"	50.0		139	85-115	2.36	20	QL-H
1,3-Dichloropropane	46.2	2.0	"	50.0		92.4	83-116	11.1	20	
1,4-Dichlorobenzene	66.3	2.0	"	50.0		133	85-115	2.75	20	QL-H
2,2-Dichloropropane	48.7	2.0	"	50.0		97.3	71-144	14.1	20	
2-Chlorotoluene	53.3	2.0	"	50.0		107	85-115	12.6	20	
4-Chlorotoluene	76.1	2.0	"	50.0		152	85-115	8.29	20	QL-H
Benzene	43.2	2.0	"	50.0		86.4	85-115	5.10	20	
Bromobenzene	57.5	2.0	"	50.0		115	85-115	2.78	20	
Bromochloromethane	47.4	2.0	"	50.0		94.8	81-117	11.3	20	
Bromodichloromethane	47.2	2.0	"	50.0		94.4	80-121	8.60	20	
Bromoform	54.8	2.0	"	50.0		110	53-145	10.8	20	
Bromomethane	37.7	2.0	"	50.0		75.4	75-123	3.07	20	
Carbon disulfide	49.1	2.0	"	50.0		98.2	78-125	7.08	20	
Carbon tetrachloride	61.6	2.0	"	50.0		123	83-125	17.3	20	
Chlorobenzene	46.7	2.0	"	50.0		93.4	85-115	1.95	20	

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Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 21A2501 - Volatiles

LCS Dup (21A2501-BSD1)

Prepared & Analyzed: 01/24/11

Chloroethane	53.1	2.0	ug/kg	50.0		106	63-145	7.01	20	
Chloroform	45.8	2.0	"	50.0		91.5	82-120	4.74	20	
Chloromethane	51.5	2.0	"	50.0		103	71-128	23.7	20	QR-04
cis-1,2-Dichloroethene	44.5	2.0	"	50.0		89.1	81-122	7.85	20	
cis-1,3-Dichloropropene	48.1	2.0	"	50.0		96.1	85-116	20.5	20	QR-04
Dibromochloromethane	53.6	2.0	"	50.0		107	76-116	0.817	20	
Dibromomethane	45.9	2.0	"	50.0		91.9	83-117	11.5	20	
Dichlorodifluoromethane	43.5	2.0	"	50.0		87.0	75-118	6.45	20	
Ethylbenzene	48.2	2.0	"	50.0		96.3	83-115	5.81	20	
Hexachlorobutadiene	94.3	2.0	"	50.0		189	84-131	18.9	20	QL-H
Isopropylbenzene	53.4	2.0	"	50.0		107	85-115	4.40	20	
Methylene Chloride	45.9	2.0	"	50.0		91.9	85-119	17.5	20	
Naphthalene	70.2	2.0	"	50.0		140	58-121	2.45	20	QL-H
n-Butylbenzene	45.2	2.0	"	50.0		90.4	85-117	19.6	20	
n-Propylbenzene	50.2	2.0	"	50.0		100	85-115	15.8	20	
p-Isopropyltoluene	80.6	2.0	"	50.0		161	85-115	17.2	20	QL-H
sec-Butylbenzene	87.5	2.0	"	50.0		175	85-115	20.0	20	QL-H
Styrene	52.8	2.0	"	50.0		106	85-115	4.95	20	
tert-Butylbenzene	84.0	2.0	"	50.0		168	85-115	18.2	20	QL-H
Tetrachloroethene	52.4	2.0	"	50.0		105	70-139	6.13	20	
Toluene	50.2	2.0	"	50.0		100	77-115	9.68	20	
trans-1,2-Dichloroethene	49.6	2.0	"	50.0		99.1	85-115	3.57	20	
trans-1,3-Dichloropropene	52.2	2.0	"	50.0		104	77-121	5.58	20	
Trichloroethene	46.1	2.0	"	50.0		92.1	79-123	7.84	20	
Trichlorofluoromethane	64.4	2.0	"	50.0		129	63-151	104	20	QR-04
Vinyl Chloride	51.4	2.0	"	50.0		103	85-116	1.47	20	
Xylenes (total)	129	6.0	"	150		86.3	79-115	2.82	20	
Surrogate: Dibromofluoromethane	42.5		"	50.0		85.0	75-125			
Surrogate: Toluene-d8	59.3		"	50.0		119	75-125			
Surrogate: 4-Bromofluorobenzene	39.8		"	50.0		79.6	75-125			

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 2020 East Orangethorpe Avenue, Fullerton
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:43

Notes and Definitions

QR-04	The RPD result for this analyte in the sample exceeded the QC control limits; however, the RPD for other analytes were within the QC control limits.
QL-H1	The spike recovery was out high for the LCS and/or the LCSD; however the analyte in CCV is within QC acceptance limits.
QL-H	The spike recovery was out high for the LCS and/or the LCSD; however the analyte was not detected in any of the analyzed samples.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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January 27, 2011

Mr. Michael Marello
Environmental Support Technologies
360 Goddard
Irvine, California 92618
RE: 1850 E. Orangethorpe Ave, Fullerton CA.

Enclosed are the results of analyses for soil samples received by Environmental Support Technologies laboratory on 01/21/11 08:04. The analyses were performed according to the prescribed method as outlined by EPA 8260B. If you have any questions concerning this report, please feel free to contact Project Manager.

Sincerely,

Dien Nguyen

Dien Nguyen
Senior Chemist

Environmental Support Technologies laboratories are certified by the California Department of Health Services (CDHS),
Environmental Laboratory Accreditation Program (ELAP) No's. 1996, 2511, and 2767.

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marello

Reported:
27-Jan-11 11:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Analyzed
CM-GW04-10	2A12101-01	Soil	20-Jan-11 08:15	21-Jan-11 16:07
CM-GW04-20	2A12101-02	Soil	20-Jan-11 08:27	21-Jan-11 12:50
CM-GW04-30	2A12101-03	Soil	20-Jan-11 08:37	21-Jan-11 13:16
CM-GW04-40	2A12101-04	Soil	20-Jan-11 08:47	21-Jan-11 13:43
CM-GW04-50	2A12101-05	Soil	20-Jan-11 09:04	21-Jan-11 14:11
CM-GW04-60	2A12101-06	Soil	20-Jan-11 09:13	21-Jan-11 14:47
CM-GW04-70	2A12101-07	Soil	20-Jan-11 09:23	21-Jan-11 15:14
CM-GW04-80	2A12101-08	Soil	20-Jan-11 09:45	21-Jan-11 15:40

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-10 (2A12101-01) Soil Sampled: 01/20/11 08:15 Analyzed: 01/21/11 16:07									
1,1,1,2-Tetrachloroethane	ND	2.5	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Bromobenzene	ND	2.5	"	"	"	"	"	"	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
Carbon disulfide	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-10 (2A12101-01) Soil Sampled: 01/20/11 08:15 Analyzed: 01/21/11 16:07									
cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
Methylene Chloride	ND	2.5	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
Vinyl Chloride	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	7.4	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		86.2 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		102 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.2 %	75-125		"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Limit							
CM-GW04-20 (2A12101-02) Soil Sampled: 01/20/11 08:27 Analyzed: 01/21/11 12:50										
1,1,1,2-Tetrachloroethane	ND	2.2	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B		
1,1,1-Trichloroethane	ND	2.2	"	"	"	"	"	"		
1,1,2,2-Tetrachloroethane	ND	2.2	"	"	"	"	"	"		
1,1,2-Trichloroethane	ND	2.2	"	"	"	"	"	"		
1,1,2-Trichloro-trifluoroethane	ND	2.2	"	"	"	"	"	"		
1,1-Dichloroethane	ND	2.2	"	"	"	"	"	"		
1,1-Dichloroethene	ND	2.2	"	"	"	"	"	"		
1,1-Dichloropropene	ND	2.2	"	"	"	"	"	"		
1,2,3-Trichlorobenzene	ND	2.2	"	"	"	"	"	"		
1,2,3-Trichloropropane	ND	2.2	"	"	"	"	"	"		
1,2,4-Trichlorobenzene	ND	2.2	"	"	"	"	"	"		
1,2,4-Trimethylbenzene	ND	2.2	"	"	"	"	"	"		
1,2-Dibromo-3-chloropropane	ND	2.2	"	"	"	"	"	"		
1,2-Dibromoethane	ND	2.2	"	"	"	"	"	"		
1,2-Dichlorobenzene	ND	2.2	"	"	"	"	"	"		
1,2-Dichloroethane	ND	2.2	"	"	"	"	"	"		
1,2-Dichloropropane	ND	2.2	"	"	"	"	"	"		
1,3,5-Trimethylbenzene	ND	2.2	"	"	"	"	"	"		
1,3-Dichlorobenzene	ND	2.2	"	"	"	"	"	"		
1,3-Dichloropropane	ND	2.2	"	"	"	"	"	"		
1,4-Dichlorobenzene	ND	2.2	"	"	"	"	"	"		
2,2-Dichloropropane	ND	2.2	"	"	"	"	"	"		
2-Chlorotoluene	ND	2.2	"	"	"	"	"	"		
4-Chlorotoluene	ND	2.2	"	"	"	"	"	"		
Benzene	ND	2.2	"	"	"	"	"	"		
Bromobenzene	ND	2.2	"	"	"	"	"	"		
Bromochloromethane	ND	2.2	"	"	"	"	"	"		
Bromodichloromethane	ND	2.2	"	"	"	"	"	"		
Bromoform	ND	2.2	"	"	"	"	"	"		
Bromomethane	ND	2.2	"	"	"	"	"	"		
Carbon disulfide	ND	2.2	"	"	"	"	"	"		
Carbon tetrachloride	ND	2.2	"	"	"	"	"	"		
Chlorobenzene	ND	2.2	"	"	"	"	"	"		
Chloroethane	ND	2.2	"	"	"	"	"	"		
Chloroform	ND	2.2	"	"	"	"	"	"		
Chloromethane	ND	2.2	"	"	"	"	"	"		
cis-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"		

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-20 (2A12101-02) Soil Sampled: 01/20/11 08:27 Analyzed: 01/21/11 12:50									
cis-1,3-Dichloropropene	ND	2.2	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	2.2	"	"	"	"	"	"	
Dibromomethane	ND	2.2	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.2	"	"	"	"	"	"	
Ethylbenzene	ND	2.2	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.2	"	"	"	"	"	"	
Isopropylbenzene	ND	2.2	"	"	"	"	"	"	
Methylene Chloride	ND	2.2	"	"	"	"	"	"	
Naphthalene	ND	2.2	"	"	"	"	"	"	
n-Butylbenzene	ND	2.2	"	"	"	"	"	"	
n-Propylbenzene	ND	2.2	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.2	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.2	"	"	"	"	"	"	
Styrene	ND	2.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.2	"	"	"	"	"	"	
Tetrachloroethene	ND	2.2	"	"	"	"	"	"	
Toluene	ND	2.2	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.2	"	"	"	"	"	"	
Trichloroethene	ND	2.2	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.2	"	"	"	"	"	"	
Vinyl Chloride	ND	2.2	"	"	"	"	"	"	
Xylenes (total)	ND	6.6	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		85.3 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		104 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.1 %	75-125		"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
CM-GW04-30 (2A12101-03) Soil Sampled: 01/20/11 08:37 Analyzed: 01/21/11 13:16										
1,1,1,2-Tetrachloroethane	ND	1.9	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B		
1,1,1-Trichloroethane	ND	1.9	"	"	"	"	"	"		
1,1,2,2-Tetrachloroethane	ND	1.9	"	"	"	"	"	"		
1,1,2-Trichloroethane	ND	1.9	"	"	"	"	"	"		
1,1,2-Trichloro-trifluoroethane	ND	1.9	"	"	"	"	"	"		
1,1-Dichloroethane	ND	1.9	"	"	"	"	"	"		
1,1-Dichloroethene	ND	1.9	"	"	"	"	"	"		
1,1-Dichloropropene	ND	1.9	"	"	"	"	"	"		
1,2,3-Trichlorobenzene	ND	1.9	"	"	"	"	"	"		
1,2,3-Trichloropropane	ND	1.9	"	"	"	"	"	"		
1,2,4-Trichlorobenzene	ND	1.9	"	"	"	"	"	"		
1,2,4-Trimethylbenzene	ND	1.9	"	"	"	"	"	"		
1,2-Dibromo-3-chloropropane	ND	1.9	"	"	"	"	"	"		
1,2-Dibromoethane	ND	1.9	"	"	"	"	"	"		
1,2-Dichlorobenzene	ND	1.9	"	"	"	"	"	"		
1,2-Dichloroethane	ND	1.9	"	"	"	"	"	"		
1,2-Dichloropropane	ND	1.9	"	"	"	"	"	"		
1,3,5-Trimethylbenzene	ND	1.9	"	"	"	"	"	"		
1,3-Dichlorobenzene	ND	1.9	"	"	"	"	"	"		
1,3-Dichloropropane	ND	1.9	"	"	"	"	"	"		
1,4-Dichlorobenzene	ND	1.9	"	"	"	"	"	"		
2,2-Dichloropropane	ND	1.9	"	"	"	"	"	"		
2-Chlorotoluene	ND	1.9	"	"	"	"	"	"		
4-Chlorotoluene	ND	1.9	"	"	"	"	"	"		
Benzene	ND	1.9	"	"	"	"	"	"		
Bromobenzene	ND	1.9	"	"	"	"	"	"		
Bromochloromethane	ND	1.9	"	"	"	"	"	"		
Bromodichloromethane	ND	1.9	"	"	"	"	"	"		
Bromoform	ND	1.9	"	"	"	"	"	"		
Bromomethane	ND	1.9	"	"	"	"	"	"		
Carbon disulfide	ND	1.9	"	"	"	"	"	"		
Carbon tetrachloride	ND	1.9	"	"	"	"	"	"		
Chlorobenzene	ND	1.9	"	"	"	"	"	"		
Chloroethane	ND	1.9	"	"	"	"	"	"		
Chloroform	ND	1.9	"	"	"	"	"	"		
Chloromethane	ND	1.9	"	"	"	"	"	"		
cis-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"		

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-30 (2A12101-03) Soil Sampled: 01/20/11 08:37 Analyzed: 01/21/11 13:16									
cis-1,3-Dichloropropene	ND	1.9	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	1.9	"	"	"	"	"	"	
Dibromomethane	ND	1.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.9	"	"	"	"	"	"	
Ethylbenzene	ND	1.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.9	"	"	"	"	"	"	
Isopropylbenzene	ND	1.9	"	"	"	"	"	"	
Methylene Chloride	ND	1.9	"	"	"	"	"	"	
Naphthalene	ND	1.9	"	"	"	"	"	"	
n-Butylbenzene	ND	1.9	"	"	"	"	"	"	
n-Propylbenzene	ND	1.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Styrene	ND	1.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Tetrachloroethene	ND	1.9	"	"	"	"	"	"	
Toluene	ND	1.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.9	"	"	"	"	"	"	
Trichloroethene	ND	1.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.9	"	"	"	"	"	"	
Vinyl Chloride	ND	1.9	"	"	"	"	"	"	
Xylenes (total)	ND	5.6	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		94.9 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		104 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.5 %	75-125		"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
CM-GW04-40 (2A12101-04) Soil Sampled: 01/20/11 08:47 Analyzed: 01/21/11 13:43										
1,1,1,2-Tetrachloroethane	ND	2.2	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B		
1,1,1-Trichloroethane	ND	2.2	"	"	"	"	"	"		
1,1,2,2-Tetrachloroethane	ND	2.2	"	"	"	"	"	"		
1,1,2-Trichloroethane	ND	2.2	"	"	"	"	"	"		
1,1,2-Trichloro-trifluoroethane	ND	2.2	"	"	"	"	"	"		
1,1-Dichloroethane	ND	2.2	"	"	"	"	"	"		
1,1-Dichloroethene	ND	2.2	"	"	"	"	"	"		
1,1-Dichloropropene	ND	2.2	"	"	"	"	"	"		
1,2,3-Trichlorobenzene	ND	2.2	"	"	"	"	"	"		
1,2,3-Trichloropropane	ND	2.2	"	"	"	"	"	"		
1,2,4-Trichlorobenzene	ND	2.2	"	"	"	"	"	"		
1,2,4-Trimethylbenzene	ND	2.2	"	"	"	"	"	"		
1,2-Dibromo-3-chloropropane	ND	2.2	"	"	"	"	"	"		
1,2-Dibromoethane	ND	2.2	"	"	"	"	"	"		
1,2-Dichlorobenzene	ND	2.2	"	"	"	"	"	"		
1,2-Dichloroethane	ND	2.2	"	"	"	"	"	"		
1,2-Dichloropropane	ND	2.2	"	"	"	"	"	"		
1,3,5-Trimethylbenzene	ND	2.2	"	"	"	"	"	"		
1,3-Dichlorobenzene	ND	2.2	"	"	"	"	"	"		
1,3-Dichloropropane	ND	2.2	"	"	"	"	"	"		
1,4-Dichlorobenzene	ND	2.2	"	"	"	"	"	"		
2,2-Dichloropropane	ND	2.2	"	"	"	"	"	"		
2-Chlorotoluene	ND	2.2	"	"	"	"	"	"		
4-Chlorotoluene	ND	2.2	"	"	"	"	"	"		
Benzene	ND	2.2	"	"	"	"	"	"		
Bromobenzene	ND	2.2	"	"	"	"	"	"		
Bromochloromethane	ND	2.2	"	"	"	"	"	"		
Bromodichloromethane	ND	2.2	"	"	"	"	"	"		
Bromoform	ND	2.2	"	"	"	"	"	"		
Bromomethane	ND	2.2	"	"	"	"	"	"		
Carbon disulfide	ND	2.2	"	"	"	"	"	"		
Carbon tetrachloride	ND	2.2	"	"	"	"	"	"		
Chlorobenzene	ND	2.2	"	"	"	"	"	"		
Chloroethane	ND	2.2	"	"	"	"	"	"		
Chloroform	ND	2.2	"	"	"	"	"	"		
Chloromethane	ND	2.2	"	"	"	"	"	"		
cis-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"		

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-40 (2A12101-04) Soil Sampled: 01/20/11 08:47 Analyzed: 01/21/11 13:43									
cis-1,3-Dichloropropene	ND	2.2	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	2.2	"	"	"	"	"	"	
Dibromomethane	ND	2.2	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.2	"	"	"	"	"	"	
Ethylbenzene	ND	2.2	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.2	"	"	"	"	"	"	
Isopropylbenzene	ND	2.2	"	"	"	"	"	"	
Methylene Chloride	ND	2.2	"	"	"	"	"	"	
Naphthalene	ND	2.2	"	"	"	"	"	"	
n-Butylbenzene	ND	2.2	"	"	"	"	"	"	
n-Propylbenzene	ND	2.2	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.2	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.2	"	"	"	"	"	"	
Styrene	ND	2.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.2	"	"	"	"	"	"	
Tetrachloroethene	ND	2.2	"	"	"	"	"	"	
Toluene	ND	2.2	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.2	"	"	"	"	"	"	
Trichloroethene	ND	2.2	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.2	"	"	"	"	"	"	
Vinyl Chloride	ND	2.2	"	"	"	"	"	"	
Xylenes (total)	ND	6.6	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		92.4 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		101 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.8 %	75-125		"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-50 (2A12101-05) Soil Sampled: 01/20/11 09:04 Analyzed: 01/21/11 14:11									
1,1,1,2-Tetrachloroethane	ND	2.3	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.3	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.3	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.3	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.3	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.3	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.3	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.3	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.3	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.3	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.3	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.3	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.3	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.3	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.3	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.3	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.3	"	"	"	"	"	"	
Benzene	ND	2.3	"	"	"	"	"	"	
Bromobenzene	ND	2.3	"	"	"	"	"	"	
Bromochloromethane	ND	2.3	"	"	"	"	"	"	
Bromodichloromethane	ND	2.3	"	"	"	"	"	"	
Bromoform	ND	2.3	"	"	"	"	"	"	
Bromomethane	ND	2.3	"	"	"	"	"	"	
Carbon disulfide	ND	2.3	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.3	"	"	"	"	"	"	
Chlorobenzene	ND	2.3	"	"	"	"	"	"	
Chloroethane	ND	2.3	"	"	"	"	"	"	
Chloroform	ND	2.3	"	"	"	"	"	"	
Chloromethane	ND	2.3	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.3	"	"	"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-50 (2A12101-05) Soil Sampled: 01/20/11 09:04 Analyzed: 01/21/11 14:11									
cis-1,3-Dichloropropene	ND	2.3	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	2.3	"	"	"	"	"	"	
Dibromomethane	ND	2.3	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.3	"	"	"	"	"	"	
Ethylbenzene	ND	2.3	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.3	"	"	"	"	"	"	
Isopropylbenzene	ND	2.3	"	"	"	"	"	"	
Methylene Chloride	ND	2.3	"	"	"	"	"	"	
Naphthalene	ND	2.3	"	"	"	"	"	"	
n-Butylbenzene	ND	2.3	"	"	"	"	"	"	
n-Propylbenzene	ND	2.3	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.3	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.3	"	"	"	"	"	"	
Styrene	ND	2.3	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.3	"	"	"	"	"	"	
Tetrachloroethene	ND	2.3	"	"	"	"	"	"	
Toluene	ND	2.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.3	"	"	"	"	"	"	
Trichloroethene	ND	2.3	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.3	"	"	"	"	"	"	
Vinyl Chloride	ND	2.3	"	"	"	"	"	"	
Xylenes (total)	ND	7.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		98.2 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		101 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.6 %	75-125		"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
CM-GW04-60 (2A12101-06) Soil Sampled: 01/20/11 09:13 Analyzed: 01/21/11 14:47										
1,1,1,2-Tetrachloroethane	ND	2.1	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B		
1,1,1-Trichloroethane	ND	2.1	"	"	"	"	"	"		
1,1,2,2-Tetrachloroethane	ND	2.1	"	"	"	"	"	"		
1,1,2-Trichloroethane	ND	2.1	"	"	"	"	"	"		
1,1,2-Trichloro-trifluoroethane	ND	2.1	"	"	"	"	"	"		
1,1-Dichloroethane	ND	2.1	"	"	"	"	"	"		
1,1-Dichloroethene	ND	2.1	"	"	"	"	"	"		
1,1-Dichloropropene	ND	2.1	"	"	"	"	"	"		
1,2,3-Trichlorobenzene	ND	2.1	"	"	"	"	"	"		
1,2,3-Trichloropropane	ND	2.1	"	"	"	"	"	"		
1,2,4-Trichlorobenzene	ND	2.1	"	"	"	"	"	"		
1,2,4-Trimethylbenzene	ND	2.1	"	"	"	"	"	"		
1,2-Dibromo-3-chloropropane	ND	2.1	"	"	"	"	"	"		
1,2-Dibromoethane	ND	2.1	"	"	"	"	"	"		
1,2-Dichlorobenzene	ND	2.1	"	"	"	"	"	"		
1,2-Dichloroethane	ND	2.1	"	"	"	"	"	"		
1,2-Dichloropropane	ND	2.1	"	"	"	"	"	"		
1,3,5-Trimethylbenzene	ND	2.1	"	"	"	"	"	"		
1,3-Dichlorobenzene	ND	2.1	"	"	"	"	"	"		
1,3-Dichloropropane	ND	2.1	"	"	"	"	"	"		
1,4-Dichlorobenzene	ND	2.1	"	"	"	"	"	"		
2,2-Dichloropropane	ND	2.1	"	"	"	"	"	"		
2-Chlorotoluene	ND	2.1	"	"	"	"	"	"		
4-Chlorotoluene	ND	2.1	"	"	"	"	"	"		
Benzene	ND	2.1	"	"	"	"	"	"		
Bromobenzene	ND	2.1	"	"	"	"	"	"		
Bromochloromethane	ND	2.1	"	"	"	"	"	"		
Bromodichloromethane	ND	2.1	"	"	"	"	"	"		
Bromoform	ND	2.1	"	"	"	"	"	"		
Bromomethane	ND	2.1	"	"	"	"	"	"		
Carbon disulfide	ND	2.1	"	"	"	"	"	"		
Carbon tetrachloride	ND	2.1	"	"	"	"	"	"		
Chlorobenzene	ND	2.1	"	"	"	"	"	"		
Chloroethane	ND	2.1	"	"	"	"	"	"		
Chloroform	ND	2.1	"	"	"	"	"	"		
Chloromethane	ND	2.1	"	"	"	"	"	"		
cis-1,2-Dichloroethene	ND	2.1	"	"	"	"	"	"		

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-60 (2A12101-06) Soil Sampled: 01/20/11 09:13 Analyzed: 01/21/11 14:47									
cis-1,3-Dichloropropene	ND	2.1	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	2.1	"	"	"	"	"	"	
Dibromomethane	ND	2.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.1	"	"	"	"	"	"	
Ethylbenzene	ND	2.1	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.1	"	"	"	"	"	"	
Isopropylbenzene	ND	2.1	"	"	"	"	"	"	
Methylene Chloride	ND	2.1	"	"	"	"	"	"	
Naphthalene	ND	2.1	"	"	"	"	"	"	
n-Butylbenzene	ND	2.1	"	"	"	"	"	"	
n-Propylbenzene	ND	2.1	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.1	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.1	"	"	"	"	"	"	
Styrene	ND	2.1	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.1	"	"	"	"	"	"	
Tetrachloroethene	ND	2.1	"	"	"	"	"	"	
Toluene	ND	2.1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.1	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.1	"	"	"	"	"	"	
Trichloroethene	ND	2.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.1	"	"	"	"	"	"	
Vinyl Chloride	ND	2.1	"	"	"	"	"	"	
Xylenes (total)	ND	6.4	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		95.8 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		102 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.5 %	75-125		"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-70 (2A12101-07) Soil Sampled: 01/20/11 09:23 Analyzed: 01/21/11 15:14									
1,1,1,2-Tetrachloroethane	ND	1.6	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	1.6	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.6	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.6	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.6	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.6	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.6	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.6	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.6	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.6	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.6	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.6	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.6	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.6	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.6	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.6	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.6	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.6	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.6	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.6	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.6	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.6	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.6	"	"	"	"	"	"	
Benzene	ND	1.6	"	"	"	"	"	"	
Bromobenzene	ND	1.6	"	"	"	"	"	"	
Bromochloromethane	ND	1.6	"	"	"	"	"	"	
Bromodichloromethane	ND	1.6	"	"	"	"	"	"	
Bromoform	ND	1.6	"	"	"	"	"	"	
Bromomethane	ND	1.6	"	"	"	"	"	"	
Carbon disulfide	5.5	1.6	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.6	"	"	"	"	"	"	
Chlorobenzene	ND	1.6	"	"	"	"	"	"	
Chloroethane	ND	1.6	"	"	"	"	"	"	
Chloroform	ND	1.6	"	"	"	"	"	"	
Chloromethane	ND	1.6	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.6	"	"	"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-70 (2A12101-07) Soil Sampled: 01/20/11 09:23 Analyzed: 01/21/11 15:14									
cis-1,3-Dichloropropene	ND	1.6	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	1.6	"	"	"	"	"	"	
Dibromomethane	ND	1.6	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.6	"	"	"	"	"	"	
Ethylbenzene	ND	1.6	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.6	"	"	"	"	"	"	
Isopropylbenzene	ND	1.6	"	"	"	"	"	"	
Methylene Chloride	ND	1.6	"	"	"	"	"	"	
Naphthalene	ND	1.6	"	"	"	"	"	"	
n-Butylbenzene	ND	1.6	"	"	"	"	"	"	
n-Propylbenzene	ND	1.6	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.6	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.6	"	"	"	"	"	"	
Styrene	ND	1.6	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.6	"	"	"	"	"	"	
Tetrachloroethene	ND	1.6	"	"	"	"	"	"	
Toluene	ND	1.6	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.6	"	"	"	"	"	"	
Trichloroethene	ND	1.6	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.6	"	"	"	"	"	"	
Vinyl Chloride	ND	1.6	"	"	"	"	"	"	
Xylenes (total)	ND	4.8	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		97.9 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		103 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.5 %	75-125		"	"	"	"	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
CM-GW04-80 (2A12101-08) Soil Sampled: 01/20/11 09:45 Analyzed: 01/21/11 15:40										
1,1,1,2-Tetrachloroethane	ND	1.7	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B		
1,1,1-Trichloroethane	ND	1.7	"	"	"	"	"	"		
1,1,2,2-Tetrachloroethane	ND	1.7	"	"	"	"	"	"		
1,1,2-Trichloroethane	ND	1.7	"	"	"	"	"	"		
1,1,2-Trichloro-trifluoroethane	ND	1.7	"	"	"	"	"	"		
1,1-Dichloroethane	2.3	1.7	"	"	"	"	"	"		
1,1-Dichloroethene	35	1.7	"	"	"	"	"	"		
1,1-Dichloropropene	ND	1.7	"	"	"	"	"	"		
1,2,3-Trichlorobenzene	ND	1.7	"	"	"	"	"	"		
1,2,3-Trichloropropane	ND	1.7	"	"	"	"	"	"		
1,2,4-Trichlorobenzene	ND	1.7	"	"	"	"	"	"		
1,2,4-Trimethylbenzene	ND	1.7	"	"	"	"	"	"		
1,2-Dibromo-3-chloropropane	ND	1.7	"	"	"	"	"	"		
1,2-Dibromoethane	ND	1.7	"	"	"	"	"	"		
1,2-Dichlorobenzene	ND	1.7	"	"	"	"	"	"		
1,2-Dichloroethane	ND	1.7	"	"	"	"	"	"		
1,2-Dichloropropane	ND	1.7	"	"	"	"	"	"		
1,3,5-Trimethylbenzene	ND	1.7	"	"	"	"	"	"		
1,3-Dichlorobenzene	ND	1.7	"	"	"	"	"	"		
1,3-Dichloropropane	ND	1.7	"	"	"	"	"	"		
1,4-Dichlorobenzene	ND	1.7	"	"	"	"	"	"		
2,2-Dichloropropane	ND	1.7	"	"	"	"	"	"		
2-Chlorotoluene	ND	1.7	"	"	"	"	"	"		
4-Chlorotoluene	ND	1.7	"	"	"	"	"	"		
Benzene	ND	1.7	"	"	"	"	"	"		
Bromobenzene	ND	1.7	"	"	"	"	"	"		
Bromochloromethane	ND	1.7	"	"	"	"	"	"		
Bromodichloromethane	ND	1.7	"	"	"	"	"	"		
Bromoform	ND	1.7	"	"	"	"	"	"		
Bromomethane	ND	1.7	"	"	"	"	"	"		
Carbon disulfide	ND	1.7	"	"	"	"	"	"		
Carbon tetrachloride	ND	1.7	"	"	"	"	"	"		
Chlorobenzene	ND	1.7	"	"	"	"	"	"		
Chloroethane	ND	1.7	"	"	"	"	"	"		
Chloroform	ND	1.7	"	"	"	"	"	"		
Chloromethane	ND	1.7	"	"	"	"	"	"		
cis-1,2-Dichloroethene	4.2	1.7	"	"	"	"	"	"		

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-80 (2A12101-08) Soil Sampled: 01/20/11 09:45 Analyzed: 01/21/11 15:40									
cis-1,3-Dichloropropene	ND	1.7	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	1.7	"	"	"	"	"	"	
Dibromomethane	ND	1.7	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.7	"	"	"	"	"	"	
Ethylbenzene	ND	1.7	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.7	"	"	"	"	"	"	
Isopropylbenzene	ND	1.7	"	"	"	"	"	"	
Methylene Chloride	ND	1.7	"	"	"	"	"	"	
Naphthalene	ND	1.7	"	"	"	"	"	"	
n-Butylbenzene	ND	1.7	"	"	"	"	"	"	
n-Propylbenzene	ND	1.7	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.7	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.7	"	"	"	"	"	"	
Styrene	ND	1.7	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.7	"	"	"	"	"	"	
Tetrachloroethene	7.2	1.7	"	"	"	"	"	"	
Toluene	ND	1.7	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.7	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.7	"	"	"	"	"	"	
Trichloroethene	11	1.7	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.7	"	"	"	"	"	"	
Vinyl Chloride	ND	1.7	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		89.9 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.7 %		75-125	"	"	"	"	

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Environmental Support Technologies
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Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2101 - Volatiles										
Blank (21A2101-BLK1)				Prepared & Analyzed: 01/21/11						
1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg							
1,1,1-Trichloroethane	ND	2.0	"							
1,1,2,2-Tetrachloroethane	ND	2.0	"							
1,1,2-Trichloroethane	ND	2.0	"							
1,1,2-Trichloro-trifluoroethane	ND	2.0	"							
1,1-Dichloroethane	ND	2.0	"							
1,1-Dichloroethene	ND	2.0	"							
1,1-Dichloropropene	ND	2.0	"							
1,2,3-Trichlorobenzene	ND	2.0	"							
1,2,3-Trichloropropane	ND	2.0	"							
1,2,4-Trichlorobenzene	ND	2.0	"							
1,2,4-Trimethylbenzene	ND	2.0	"							
1,2-Dibromo-3-chloropropane	ND	2.0	"							
1,2-Dibromoethane	ND	2.0	"							
1,2-Dichlorobenzene	ND	2.0	"							
1,2-Dichloroethane	ND	2.0	"							
1,2-Dichloropropane	ND	2.0	"							
1,3,5-Trimethylbenzene	ND	2.0	"							
1,3-Dichlorobenzene	ND	2.0	"							
1,3-Dichloropropane	ND	2.0	"							
1,4-Dichlorobenzene	ND	2.0	"							
2,2-Dichloropropane	ND	2.0	"							
2-Chlorotoluene	ND	2.0	"							
4-Chlorotoluene	ND	2.0	"							
Benzene	ND	2.0	"							
Bromobenzene	ND	2.0	"							
Bromochloromethane	ND	2.0	"							
Bromodichloromethane	ND	2.0	"							
Bromoform	ND	2.0	"							
Bromomethane	ND	2.0	"							
Carbon disulfide	ND	2.0	"							
Carbon tetrachloride	ND	2.0	"							
Chlorobenzene	ND	2.0	"							

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Environmental Support Technologies
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Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 21A2101 - Volatiles

Blank (21A2101-BLK1)

Prepared & Analyzed: 01/21/11

Chloroethane	ND	2.0	ug/kg							
Chloroform	ND	2.0	"							
Chloromethane	ND	2.0	"							
cis-1,2-Dichloroethene	ND	2.0	"							
cis-1,3-Dichloropropene	ND	2.0	"							
Dibromochloromethane	ND	2.0	"							
Dibromomethane	ND	2.0	"							
Dichlorodifluoromethane	ND	2.0	"							
Ethylbenzene	ND	2.0	"							
Hexachlorobutadiene	ND	2.0	"							
Isopropylbenzene	ND	2.0	"							
Methylene Chloride	ND	2.0	"							
Naphthalene	ND	2.0	"							
n-Butylbenzene	ND	2.0	"							
n-Propylbenzene	ND	2.0	"							
p-Isopropyltoluene	ND	2.0	"							
sec-Butylbenzene	ND	2.0	"							
Styrene	ND	2.0	"							
tert-Butylbenzene	ND	2.0	"							
Tetrachloroethene	ND	2.0	"							
Toluene	ND	2.0	"							
trans-1,2-Dichloroethene	ND	2.0	"							
trans-1,3-Dichloropropene	ND	2.0	"							
Trichloroethene	ND	2.0	"							
Trichlorofluoromethane	ND	2.0	"							
Vinyl Chloride	ND	2.0	"							
Xylenes (total)	ND	6.0	"							
Surrogate: Dibromofluoromethane	43.2		"	50.0		86.4	75-125			
Surrogate: Toluene-d8	50.4		"	50.0		101	75-125			
Surrogate: 4-Bromofluorobenzene	43.9		"	50.0		87.8	75-125			

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Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 21A2101 - Volatiles

LCS (21A2101-BS1)

Prepared & Analyzed: 01/21/11

1,1,1,2-Tetrachloroethane	50.1	2.0	ug/kg	50.0		100	74-129			
1,1,1-Trichloroethane	48.2	2.0	"	50.0		96.5	81-124			
1,1,2,2-Tetrachloroethane	55.9	2.0	"	50.0		112	61-125			
1,1,2-Trichloroethane	43.2	2.0	"	50.0		86.4	77-118			
1,1,2-Trichloro-trifluoroethane	38.3	2.0	"	50.0		76.5	85-115			QL-H1
1,1-Dichloroethane	47.6	2.0	"	50.0		95.3	83-117			
1,1-Dichloroethene	44.9	2.0	"	50.0		89.7	85-116			
1,1-Dichloropropene	41.1	2.0	"	50.0		82.2	80-116			
1,2,3-Trichlorobenzene	45.3	2.0	"	50.0		90.6	85-118			
1,2,3-Trichloropropane	44.9	2.0	"	50.0		89.8	64-122			
1,2,4-Trichlorobenzene	45.3	2.0	"	50.0		90.6	85-115			
1,2,4-Trimethylbenzene	65.9	2.0	"	50.0		132	85-115			QL-H
1,2-Dibromo-3-chloropropane	40.8	2.0	"	50.0		81.6	36-148			
1,2-Dibromoethane	66.9	2.0	"	50.0		134	85-115			QL-H
1,2-Dichlorobenzene	64.7	2.0	"	50.0		129	85-115			QL-H
1,2-Dichloroethane	40.7	2.0	"	50.0		81.4	82-118			QL-H
1,2-Dichloropropane	49.5	2.0	"	50.0		99.0	85-115			
1,3,5-Trimethylbenzene	70.1	2.0	"	50.0		140	85-115			QL-H
1,3-Dichlorobenzene	69.4	2.0	"	50.0		139	85-115			QL-H
1,3-Dichloropropane	46.5	2.0	"	50.0		93.0	83-116			
1,4-Dichlorobenzene	64.1	2.0	"	50.0		128	85-115			QL-H
2,2-Dichloropropane	41.6	2.0	"	50.0		83.2	71-144			
2-Chlorotoluene	48.0	2.0	"	50.0		96.0	85-115			
4-Chlorotoluene	72.3	2.0	"	50.0		145	85-115			QL-H
Benzene	44.6	2.0	"	50.0		89.2	85-115			
Bromobenzene	58.1	2.0	"	50.0		116	85-115			QL-H
Bromochloromethane	53.6	2.0	"	50.0		107	81-117			
Bromodichloromethane	50.1	2.0	"	50.0		100	80-121			
Bromoform	50.7	2.0	"	50.0		101	53-145			
Bromomethane	42.9	2.0	"	50.0		85.8	75-123			
Carbon disulfide	43.7	2.0	"	50.0		87.4	78-125			
Carbon tetrachloride	49.4	2.0	"	50.0		98.8	83-125			
Chlorobenzene	46.0	2.0	"	50.0		91.9	85-115			

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Environmental Support Technologies
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Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 21A2101 - Volatiles

LCS (21A2101-BS1)		Prepared & Analyzed: 01/21/11								
Chloroethane	54.9	2.0	ug/kg	50.0		110	63-145			
Chloroform	47.3	2.0	"	50.0		94.6	82-120			
Chloromethane	56.7	2.0	"	50.0		113	71-128			
cis-1,2-Dichloroethene	47.8	2.0	"	50.0		95.5	81-122			
cis-1,3-Dichloropropene	53.6	2.0	"	50.0		107	85-116			
Dibromochloromethane	50.0	2.0	"	50.0		100	76-116			
Dibromomethane	43.3	2.0	"	50.0		86.6	83-117			
Dichlorodifluoromethane	43.2	2.0	"	50.0		86.5	75-118			
Ethylbenzene	44.5	2.0	"	50.0		89.0	83-115			
Hexachlorobutadiene	76.5	2.0	"	50.0		153	84-131			QL-H
Isopropylbenzene	49.0	2.0	"	50.0		98.0	85-115			
Methylene Chloride	52.1	2.0	"	50.0		104	85-119			
Naphthalene	58.4	2.0	"	50.0		117	58-121			
n-Butylbenzene	35.2	2.0	"	50.0		70.3	85-117			QL-H
n-Propylbenzene	41.9	2.0	"	50.0		83.8	85-115			QL-H
p-Isopropyltoluene	63.9	2.0	"	50.0		128	85-115			QL-H
sec-Butylbenzene	69.3	2.0	"	50.0		139	85-115			QL-H
Styrene	54.6	2.0	"	50.0		109	85-115			
tert-Butylbenzene	68.9	2.0	"	50.0		138	85-115			QL-H
Tetrachloroethene	47.0	2.0	"	50.0		94.0	70-139			
Toluene	46.3	2.0	"	50.0		92.7	77-115			
trans-1,2-Dichloroethene	48.7	2.0	"	50.0		97.4	85-115			
trans-1,3-Dichloropropene	51.6	2.0	"	50.0		103	77-121			
Trichloroethene	47.2	2.0	"	50.0		94.4	79-123			
Trichlorofluoromethane	57.7	2.0	"	50.0		115	63-151			
Vinyl Chloride	50.6	2.0	"	50.0		101	85-116			
Xylenes (total)	124	6.0	"	150		82.9	79-115			
Surrogate: Dibromofluoromethane	47.2		"	50.0		94.4	75-125			
Surrogate: Toluene-d8	55.8		"	50.0		112	75-125			
Surrogate: 4-Bromofluorobenzene	40.3		"	50.0		80.6	75-125			

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2101 - Volatiles										
LCS Dup (21A2101-BSD1)				Prepared & Analyzed: 01/21/11						
1,1,1,2-Tetrachloroethane	52.1	2.0	ug/kg	50.0		104	74-129	3.88	20	
1,1,1-Trichloroethane	47.1	2.0	"	50.0		94.2	81-124	2.43	20	
1,1,2,2-Tetrachloroethane	63.0	2.0	"	50.0		126	61-125	12.0	20	QL-H
1,1,2-Trichloroethane	51.1	2.0	"	50.0		102	77-118	16.8	20	
1,1,2-Trichloro-trifluoroethane	49.6	2.0	"	50.0		99.2	85-115	25.8	20	QR-04
1,1-Dichloroethane	47.6	2.0	"	50.0		95.2	83-117	0.0420	20	
1,1-Dichloroethene	46.9	2.0	"	50.0		93.9	85-116	4.53	20	
1,1-Dichloropropene	43.8	2.0	"	50.0		87.5	80-116	6.22	20	
1,2,3-Trichlorobenzene	46.7	2.0	"	50.0		93.4	85-118	3.09	20	
1,2,3-Trichloropropane	50.8	2.0	"	50.0		102	64-122	12.4	20	
1,2,4-Trichlorobenzene	46.7	2.0	"	50.0		93.4	85-115	3.09	20	
1,2,4-Trimethylbenzene	68.4	2.0	"	50.0		137	85-115	3.81	20	QL-H
1,2-Dibromo-3-chloropropane	50.6	2.0	"	50.0		101	36-148	21.6	20	QL-H
1,2-Dibromoethane	73.2	2.0	"	50.0		146	85-115	9.08	20	QL-H
1,2-Dichlorobenzene	65.4	2.0	"	50.0		131	85-115	1.17	20	QL-H
1,2-Dichloroethane	42.8	2.0	"	50.0		85.6	82-118	4.98	20	
1,2-Dichloropropane	49.7	2.0	"	50.0		99.4	85-115	0.363	20	
1,3,5-Trimethylbenzene	72.8	2.0	"	50.0		146	85-115	3.81	20	QL-H
1,3-Dichlorobenzene	68.2	2.0	"	50.0		136	85-115	1.69	20	QL-H
1,3-Dichloropropane	51.4	2.0	"	50.0		103	83-116	10.1	20	
1,4-Dichlorobenzene	65.2	2.0	"	50.0		130	85-115	1.64	20	QL-H
2,2-Dichloropropane	45.8	2.0	"	50.0		91.7	71-144	9.65	20	
2-Chlorotoluene	48.4	2.0	"	50.0		96.7	85-115	0.706	20	
4-Chlorotoluene	71.4	2.0	"	50.0		143	85-115	1.28	20	QL-H
Benzene	42.7	2.0	"	50.0		85.4	85-115	4.35	20	
Bromobenzene	57.8	2.0	"	50.0		116	85-115	0.518	20	QL-H
Bromochloromethane	55.3	2.0	"	50.0		111	81-117	3.12	20	
Bromodichloromethane	48.4	2.0	"	50.0		96.7	80-121	3.61	20	
Bromoform	58.5	2.0	"	50.0		117	53-145	14.2	20	
Bromomethane	43.8	2.0	"	50.0		87.5	75-123	2.03	20	
Carbon disulfide	44.9	2.0	"	50.0		89.8	78-125	2.71	20	
Carbon tetrachloride	53.4	2.0	"	50.0		107	83-125	7.90	20	
Chlorobenzene	46.1	2.0	"	50.0		92.3	85-115	0.391	20	

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Environmental Support Technologies
360 Goddard
Irvine, California 92618

Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 21A2101 - Volatiles

LCS Dup (21A2101-BSD1)

Prepared & Analyzed: 01/21/11

Chloroethane	52.7	2.0	ug/kg	50.0		105	63-145	4.09	20	
Chloroform	47.7	2.0	"	50.0		95.3	82-120	0.758	20	
Chloromethane	48.7	2.0	"	50.0		97.4	71-128	15.3	20	
cis-1,2-Dichloroethene	49.9	2.0	"	50.0		99.8	81-122	4.42	20	
cis-1,3-Dichloropropene	52.5	2.0	"	50.0		105	85-116	2.04	20	
Dibromochloromethane	55.8	2.0	"	50.0		112	76-116	10.9	20	
Dibromomethane	49.6	2.0	"	50.0		99.1	83-117	13.4	20	
Dichlorodifluoromethane	41.3	2.0	"	50.0		82.6	75-118	4.54	20	
Ethylbenzene	44.9	2.0	"	50.0		89.7	83-115	0.806	20	
Hexachlorobutadiene	78.5	2.0	"	50.0		157	84-131	2.56	20	QL-H
Isopropylbenzene	48.7	2.0	"	50.0		97.5	85-115	0.573	20	
Methylene Chloride	50.4	2.0	"	50.0		101	85-119	3.32	20	
Naphthalene	66.5	2.0	"	50.0		133	58-121	12.9	20	QL-H
n-Butylbenzene	36.6	2.0	"	50.0		73.1	85-117	3.90	20	QL-H
n-Propylbenzene	42.6	2.0	"	50.0		85.2	85-115	1.70	20	
p-Isopropyltoluene	66.5	2.0	"	50.0		133	85-115	3.90	20	QL-H
sec-Butylbenzene	70.8	2.0	"	50.0		142	85-115	2.14	20	QL-H
Styrene	54.7	2.0	"	50.0		109	85-115	0.293	20	
tert-Butylbenzene	72.5	2.0	"	50.0		145	85-115	4.98	20	QL-H
Tetrachloroethene	50.2	2.0	"	50.0		100	70-139	6.55	20	
Toluene	46.5	2.0	"	50.0		92.9	77-115	0.259	20	
trans-1,2-Dichloroethene	48.8	2.0	"	50.0		97.7	85-115	0.328	20	
trans-1,3-Dichloropropene	53.8	2.0	"	50.0		108	77-121	4.17	20	
Trichloroethene	46.0	2.0	"	50.0		92.0	79-123	2.58	20	
Trichlorofluoromethane	59.1	2.0	"	50.0		118	63-151	2.43	20	
Vinyl Chloride	47.8	2.0	"	50.0		95.7	85-116	5.57	20	
Xylenes (total)	124	6.0	"	150		82.7	79-115	0.209	20	
Surrogate: Dibromofluoromethane	48.1		"	50.0		96.2	75-125			
Surrogate: Toluene-d8	55.4		"	50.0		111	75-125			
Surrogate: 4-Bromofluorobenzene	40.8		"	50.0		81.6	75-125			

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Environmental Support Technologies
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Project: 1850 E. Orangethorpe Ave, Fullerton CA.
Project Number: EST2736
Project Manager: Mr. Michael Marelo

Reported:
27-Jan-11 11:37

Notes and Definitions

QR-04	The RPD result for this analyte in the sample exceeded the QC control limits; however, the RPD for other analytes were within the QC control limits.
QL-H1	The spike recovery was out high for the LCS and/or the LCSD; however the analyte in CCV is within QC acceptance limits.
QL-H	The spike recovery was out high for the LCS and/or the LCSD; however the analyte was not detected in any of the analyzed samples.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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CHAIN-OF-CUSTODY RECORD

Environmental Support Technologies

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Client: <u>EST</u>		Sampler Name: <u>M. Marella</u>		Page: 1 of 1								
Address: _____		EST Project#: <u>EST 2736-OCWA</u>										
Project Manager: <u>M. Marella</u>		Site Location: <u>2230 F. Orange Harbor Ave. Fullerton</u>		Email: _____								
Turnaround Time: (Check one)		Sample Integrity: (check)		Analysis Required								
Normal <input type="checkbox"/> Same Day <input type="checkbox"/>		Intact: Yes: <input type="checkbox"/> No: <input type="checkbox"/>		VOCs EPA 8260B								
24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/>		Cooled: Yes: <input type="checkbox"/> No: <input type="checkbox"/>										
72 Hours <input type="checkbox"/>		Warm: Yes: <input type="checkbox"/> No: <input type="checkbox"/>										
Sample Name	Sample Matrix	Container Type	# of Containers	Sampling		Preservative Type	Analysis Required				Special Instructions	
				Date	Time							
CM-GW01-10'	Soil	VOA	3	1/19/11	2:45	5035 ICE	X					2x Sodium Arsenate
CM-GW01-20'	↓	↓	↓	↓	8:55	↓	X					1x Methanol
CM-GW01-30'	↓	↓	↓	↓	9:09	↓	X					
CM-GW01-40'	↓	↓	↓	↓	9:19	↓	X					
CM-GW01-50'	↓	↓	↓	↓	9:27	↓	X					
CM-GW01-60'	↓	↓	↓	↓	9:43	↓	X					
CM-GW01-70'	↓	↓	↓	↓	9:58	↓	X					
				1/19/11 2:45P						1/19/11 1445		
Relinquished by: <u>[Signature]</u>				Date/Time:		Received by: <u>[Signature]</u>				Date/Time:		
Relinquished by:				Date/Time:		Received by:				Date/Time:		
Relinquished by:				Date/Time:		Received by:				Date/Time:		

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Ex-136



CHAIN-OF-CUSTODY RECORD

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Client: <u>EST</u>		Sampler Name: <u>M. Morello</u>		Page: 1 of 2						
Address: _____		EST Project#: <u>2736</u>								
Project Manager: <u>M. Morello</u>		Site Location: <u>2020 E. Orange + Lincoln Ave., Fullerton</u>		Email: _____						
Turnaround Time: (Check one)		Sample Integrity: (check)		Analysis Required						
Normal <input checked="" type="checkbox"/> Same Day <input type="checkbox"/>		Intact: Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>		VOCs EPA 8260D						
24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/>		Cooled: Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>								
72 Hours <input type="checkbox"/>		Warm: Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>								
Sample Name	Sample Matrix	Container Type	# of Containers	Sampling Date	Sampling Time	Preservative Type	Special Instructions			
CM-GW02-10'	Soil	VOA	3	1/21/11	7:45	9035 ICE	✓			2x Sodium formate
CM-GW02-20'					7:52		X			1x Methanol
CM-GW02-30'					8:16		X			
CM-GW02-40'					8:23		X			
CM-GW02-50'					8:30		X			
CM-GW02-60'					8:40		X			
CM-GW02-70'					8:54		X			
CM-GW02-80'					9:08		X			
CM-GW03-10'					8:19		X			
CM-GW03-20'					8:27		X			
CM-GW03-30'					8:36		X			
CM-GW03-40'					8:50		X			
CM-GW03-50'					8:57		X			
CM-GW03-60'					9:09		X			
CM-GW03-70'					9:20		X			
Relinquished by: <u>[Signature]</u>		Date/Time: <u>1/21/11 2:35 P</u>		Received by: <u>[Signature]</u>		Date/Time: <u>1/21/11 1:13 S</u>				
Relinquished by: _____		Date/Time: _____		Received by: _____		Date/Time: _____				
Relinquished by: _____		Date/Time: _____		Received by: _____		Date/Time: _____				

[illegible]

CHAIN-OF-CUSTODY RECORD